

Alphatex™

TM

PRO-TECH TEXTILE
WWW.ALPHATEX.EU



BUILDINGS



THERMO



PROTECTIVE NETTING



PEST CONTROL



DIGITAL PRINTING

AlphatexTM

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BUILDINGS9-48

- **Scaffolding**

Nettings
Tarpaulins
Thermal and acoustic protection

- **Covering**

Tarpaulins
Standardised nettings

- **Buildings - Construction - Industry**

Barrier nettings for construction sites
Technical textiles
Landscape fabric

- **Accessories**

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Thermo films M4
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- **Adhesive tapes**

- **Gun and torch**
- **Training**
- **Accessories**

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Wired knotted polyamide
Braided polyamide

Wired knotted polyethylene

Braided polyethylene

PEST CONTROL79-98

- **Bird netting**

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Pigeon netting

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Alphapic

Easy spike

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- **Accessories**

DIGITAL PRINTING99-111

- **Printing for construction site barriers**

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Alphatex, manufacturer of nettings, tarpaulins and accessories, plays an important role in the supply of its products in Europe. Human relationships and the needs of our customers are at the heart of our business policy.

Alphatex was created out of the mastery of the design, manufacture and import of these products for over 25 years. The company benefits from commercial experience in the world of construction, 3D, heat-shrinkable films, tailoring, horticulture and arboriculture.

Alphatex is consolidating its position as leader on the French and European market by adapting and developing its ranges, following the evolution of the different market segments.

The company continues its international development and markets its products on 4 of the 5 continents.



AlphatexTM

WWW.ALPHATEX.EU

SOME FIGURES

Company
created
in 1996



Total
workforce
90 employees



More than
2500
customers



5000
references
in stock



19000 m²
of storage
space



60 millions
m² of
stock



20 millions
EUR in
turnover



35% of turnover
generated
internationally



OUR STRENGTHS

CONTROL OF OUR SUPPLIES

We have our own machines that work for our needs and in the same time we work with partner suppliers that we train to manufacture according to our technical criteria.
We support their development by investing in their production tools. This is made possible by our regular presence in the factories.

PERMANENT STOCK

We have the largest stock of nets in Europe with 3,000 tonnes, i.e. 60 million m² of finished and/or semi-finished products.

WIDE AND COMPLETE RANGE

Several types of netting (mesh, micro-mesh), with specific thread diameters, weights, dimensions, colours and finishes, correspond to each trade.

TAILORING

A tailoring department enables us to respond quickly to requests for made-to-measure nets.



France

The Alphatex sales team covers the whole of France to offer its customers made-to-measure solutions at the best price.

The men and women who make up the team are above all technicians for whom the notions of proximity and availability have a meaning.

These professionals listen to their customers' needs.

They stand out for the relevance of the technical solutions they propose, their presence in the field and the follow-up of their clients' projects until their completion.

We provide each customer and each project with a special contact.

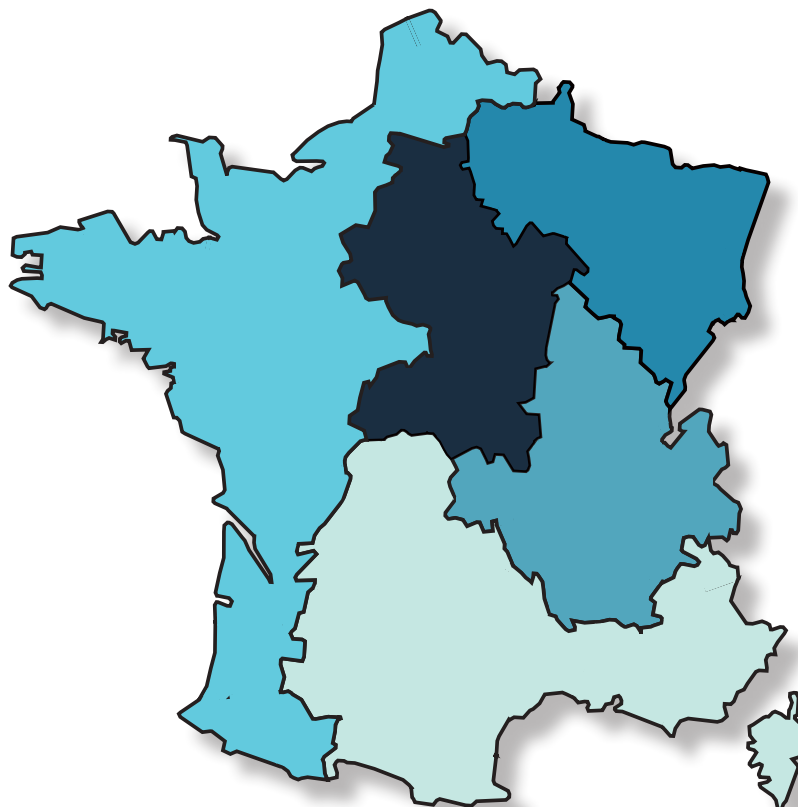
5 geographical areas



5 sales representatives



15 customer support advisers



DO NOT HESITATE TO CONTACT US!

Our customer service will take care of your request and redirect you to the sales representative in your area.

sc@alphatex.eu

02 35 56 33 56

Sales department opening hours

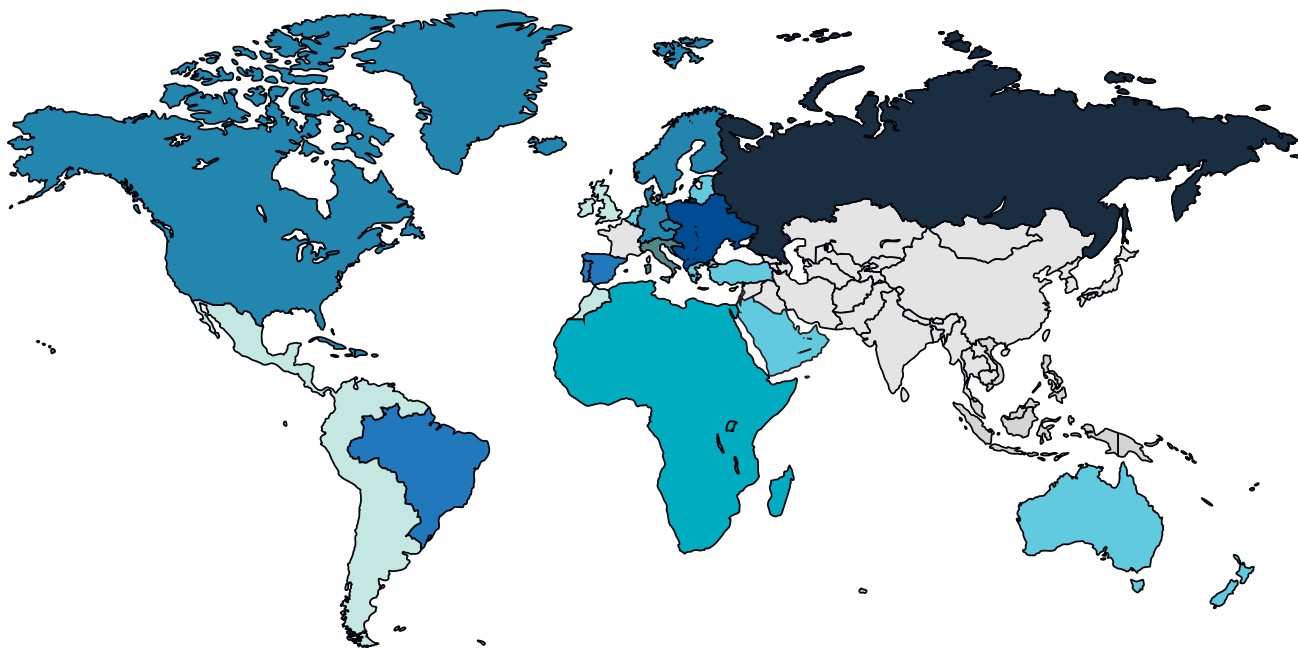
Monday to Friday

8.30am - 5.30pm

Find us on social networks and on our blog



International



Our sales teams are also present internationally. Deployed in more than 50 countries, our sales representatives are perfectly familiar with the specificities of each of the markets where we are established. Whether in terms of crops, agricultural practices or the resistance of our products to various UV exposures.

Our advisers speak many languages and will be at your disposal for any study of your projects.

10 geographical areas



10 sales representatives



15 customer support advisers



CONTACT US

Our customer service department will respond to your requests and redirect you to the sales representative in your area if necessary.

Languages supported:

sc@alphatex.eu

+33 2 35 56 33 56

Sales department opening hours

Monday to Friday
8.30am - 5.30pm



Alphatex BLOG



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BUILDINGS

- **Scaffolding**
 - Nettings
 - Tarpaulins
 - Thermal and acoustic protection
- **Covering**
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 - Technical textiles
 - Landscape fabric
- **Accessories**

Our manufacturer's advice



WHAT IS A SCAFFOLDING NETTING USED FOR?

Scaffolding netting encloses the work area, protects passers-bys and the roadway from falling objects and various projections of materials, paint, dust, etc.

WHAT ARE THE STRONG POINTS OF A POLYETHYLENE NETTING?

We work mainly with virgin High Density Polyethylene (HDPE) in the form of monofilament* or strips*, knitted or woven, in micro-mesh*. HDPE has technical characteristics that are useful for our applications:

- The netting is water repellent, so it doesn't retain water, become heavy and deform. Unlike polyamide (PA) and polypropylene (PP).
- Rigidity gives the net strength.
- It's impact resistant and has a low coefficient of friction.
- It's freeze resistant to -40°C.
- It's heat resistant, softening point +120°C, melting point +130°C.
- UV treatment, stabilisation by the Ciba Ceigy process.

DID YOU KNOW THAT WE CAN PRODUCE SPECIFIC NETS?

We are able to produce the net you want according to your technical specifications (colour, weight, dimensions...) for a minimum quantity of material to be specified depending on the products.

TRIANGULAR OR RECTANGULAR MESH, HOW TO CHOOSE ?

TEX = TRIANGULAR MESH

ConsoTex, ComproTex, LongoTex, SupraTex
Tightly woven, blackout and stretchable mesh, ideal for fine or liquid projections.

REX = RECTANGULAR MESH

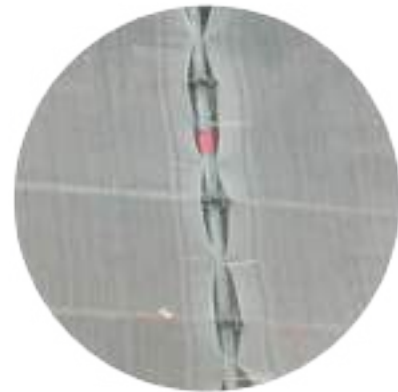
ConsoRex, ComproRex, LongoRex, UniRex
Open, non-stretchable mesh, ideal for quick installation on scaffolding.

Installation tips

1. It is advisable to tie the netting every 25-30 cm with a plastic tie by sliding it into the side buttonhole of the net.



2. For a perfectly installed netting, start by tying your net from the top.



3. Continue down the sides and finish at the bottom.



CAUTION: DO NOT

If you tie your net at the top and bottom and finish at the sides, the net will tighten in the middle, making it impossible to fix. The “8” effect on the sides.

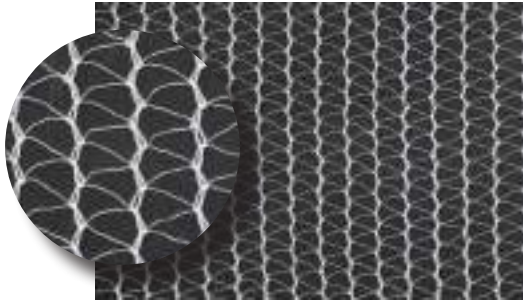
Find all our tips, video tutorials and manufacturer information on our blog at <https://www.alphatex.eu/le-blog-alphatex/>



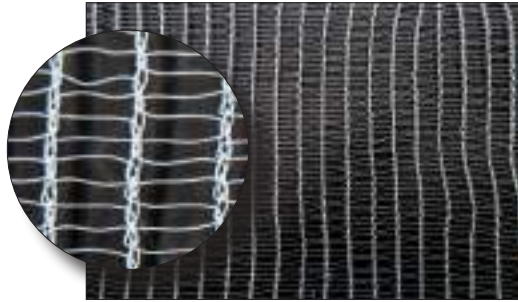
Onetex

SCAFFOLDING NETTING

35g/m² Onetex Onerex



Onetex



Onerex



The Onetex and Onerex range of 35g/m² scaffolding netting is our economical range with 2 shapes: triangular and rectangular to suit your structure equipment habits. These light nets will suffice to retain elements of the site inside the scaffolding. We recommend their use on short term building sites in restoration.

Onetex and Onerex are two light nettings, one in rectangular mesh, more rigid but quicker to install, the other in triangular mesh, extensible, ideal in case of projection.

Product	Weight	Mesh	Bloc- kage	Wind break	Resistance	Colour	Width	Length	Finishes	Packing
Onetex	35g/m ²	Triang.	20%	20%	120 kg/m ²	White	3.07m	20-50m	Side and double buttonholes in the middle	Bale of 10 pcs.
							2.57 - 3.07m	100m		
							6m	200m	Side buttonholes	Roll
							2 - 3 - 4 - 6m			
						Blue or green	2.57m	20-50m	Side and double buttonholes in the middle	Bale of 16 pcs.
							3.07m	20 - 100m		
3m	100m	Side buttonholes	Roll							
Onerex	35g/m ²	Rectang.	20%	20%	210 kg/m ²	White	3.07m	20m	Side and double buttonholes in the middle	Bale of 16 pcs.
								100m		Roll

MANUFACTURER'S ADVICE

Our ONE 35g/m² nettings are made of pure HDPE treated with 120Kly like all our other scaffolding nettings; they will guarantee you a good UV resistance in the conditions of a renovation site from 1 to 3 months.

Accessories on page 50





Consotex 6/10



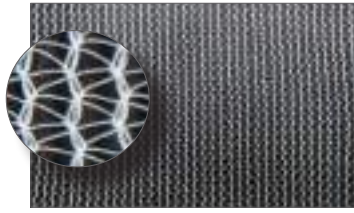
Consotex 3/14



Consorex

FILETS D'ÉCHAFAUDAGE

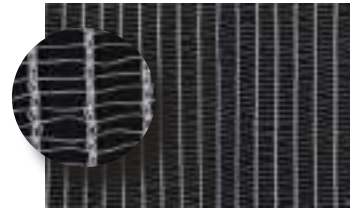
50g/m² Consotex Consorex



Consotex 6/10



Consotex 3/14



Consorex

PEHD



120Kly

Our Consotex and Consorex nettings are the most sold nets in Europe for 1 to 6 months renovation sites, even if their UV treatment allows them a higher UV resistance in our latitudes. The Consorex with its rectangular mesh is very popular on the French market as it saves time during installation while providing little blockage and windbreak. On the European market, the Consotex 6/10 mesh is the most popular. Elastic and tight, it can be adapted to all your sites.

Product	Mesh	Blockage	Wind	Colour	Width	Length	Finishes	Pack.				
Consotex 6/10	Triang.	30%	35%	White	2.07 - 2.57 - 3.07m	10m	Side and double buttonholes in the middle	Box of 8 pcs.				
					2.07 - 2.57 - 3.07m	20m		Box of 4 pcs.				
					3.07m	50m		Roll				
					2.57 - 3.07 - 3.30m	100m						
				Blue	2.07 - 2.57 - 3.07m	10m	Side and double buttonholes in the middle	Box of 8 pcs.				
					2.07 - 2.57 - 3.07m	20m		Box of 4 pcs.				
					2m	50m		Roll				
					3.30m	100m						
				Green	2.07 - 2.57 - 3.07m	10m	Side and double buttonholes in the middle	Box of 8 pcs.				
					2.07 - 2.57 - 3.07m	20m		Box of 4 pcs.				
					3.07 - 3.30m	100m		Roll				
Consotex 3/14	Triang.	30%	20%	White	2.57m	10m	Side and double buttonholes in the middle	Box of 8 pcs.				
					2.57m	20m		Box of 4 pcs.				
					4m	200m		Side buttonholes Roll				
				Blue	2.57m	10m	Side buttonholes	Box of 32 pcs.				
					2.57 - 3m	20m		Balle de 16 p.				
				Green	2.57m	10m	Side and double buttonholes in the middle	Box of 8 pcs.				
					2.57m	20m		Box of 16 pcs.				
					3m	100m		Side buttonholes Roll				
				Consorex	Rect. 2.3 x 7mm	25%	20%	White	2.57 - 3 - 3.07m	20m	Side buttonholes	Bale of 10 pcs.
									2.07m	25m		Bale of 16/10 pcs
									1.09 - 1.57 - 2.07 - 2.57 - 3 - 3.50m	50m		Roll
1 - 2.5 - 3 - 3.07 - 4m	100m											
2.07 - 3.33 - 3.66 - 4 - 4.33 - 4.66 - 5 - 5.33 - 5.66 - 6 - 6.33 - 6.66 - 7 - 7.33 - 7.66 - 8 - 8.33 - 8.66 - 9 - 9.33 - 9.66 - 10 - 10.33 - 10.66 - 11 - 11.33 - 11.66 - 12 - 13 - 14 - 15m	200m											
6m	200m	Side and double buttonholes in the middle										
Blue	3.07m	20m	Side buttonholes					Bale of 16/10 pcs				
	2.57 - 3.07m	50m						Roll				
	3 - 3.07m	100m										
Green	3.07m	20m	Side buttonholes					Bale of 10 pcs.				
	3m	100m						Roll				
Yellow	3m	50-100m	Side buttonholes					Roll				
Red	3.07m	100m	Side buttonholes	Roll								



Comprotex



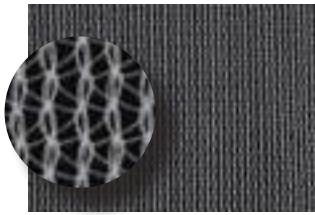
Longotex



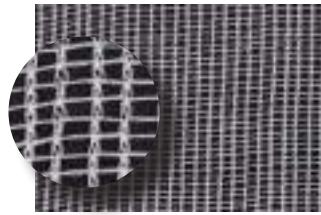
Longorex

SCAFFOLDING NETTING

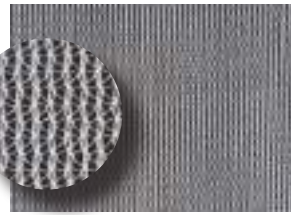
68-150g/m² Comprotex Comprorex Longotex Longorex
Supratex



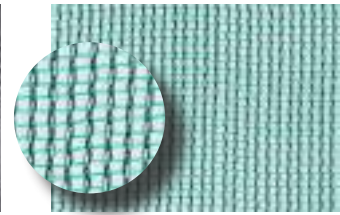
Comprotex



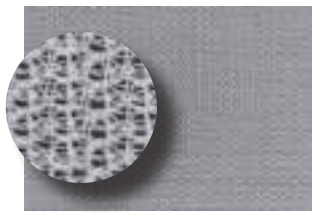
Comprorex



Longotex



Longorex



Supratex



120Kly

Comprotex and Comprorex (triangular and rectangular mesh respectively) are blackout nets for medium-term construction sites. The Longotex/rex 100g/m² range is an ideal alternative to Onetex/rex or Consotex/rex 50g/m² for dirty construction sites. The strength of Longotex/rex is appreciated by craftsmen who can reuse the netting on many sites.

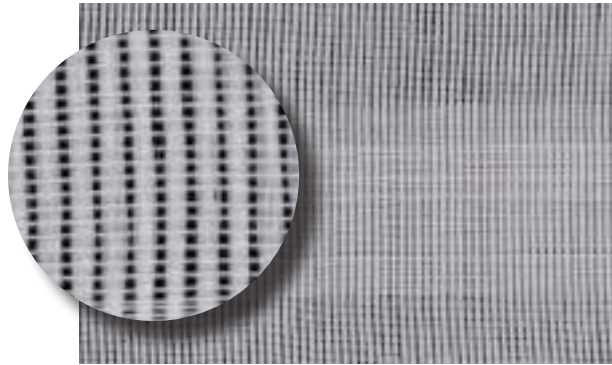
Product	Weight	Mesh	Bloc- kage	Wind	Resistance	Colour	Width	Length	Finishes	Pack.
Comprotex	68g/m ²	Triang.	40%	40%	500 Kg/m ²	White	3m	20m	Side buttonholes	Roll
							2.57 - 3.07m	50m	Side and double buttonholes in the middle	
							1 - 2.07 - 3m	50m	Side and double buttonholes in the middle	
						Blue	2 - 2.07m	50m	Side and double buttonholes in the middle	
							2.57 - 3.07m		Side and double buttonholes in the middle	
							Green	2 - 2.07m	50m	
2.57 - 3.07m	Side and double buttonholes in the middle									
Comprorex	70g/m ²	Rect. 2x3mm	30%	35%	500 kg/m ²	White	3m	20m	Side buttonholes	Box of 5 pcs.
							1-3m	50m		Roll
Longotex	100g/m ²	Triang.	48%	50%	730 kg/m ²	White	3m	20m	Side buttonholes	Bale of 5 pcs.
								50-100m		Roll
						Blue	3m	50m	Side buttonholes	Bale of 8 pcs.
						3m	50m	Side and double buttonholes in the middle		
						2.07m		50m	Side and double buttonholes in the middle	
2.57 - 3m	Roll									
Longorex	100g/m ²	Rect. 2x4mm	45%	45%	730 kg/m ²	White	2 - 3m	20m	Side buttonholes	Bale of 8 pcs.
							3m	25 - 50m		Roll
							2.5m	100m		Bale of 5 pcs.
						Blue	3m	20m		Roll
								50m		Bale of 8 pcs.
						Green/ Black	3m	20m		Roll
50m	Roll									
Supratex	150g/m ²	Triang.	70%	65%	1050 kg/ m ²	White	3m	25m	Side and double buttonholes in the middle	Roll
							2.5 - 3m	50m		
						Green	3m	50m		
Blue	2.57 - 3.07m	50m	Side buttonholes							



Editis

SCAFFOLDING NETTING

130g/m² woven Editis



Editis



Editis is a scaffolding netting woven from monofilament (round yarns) and tape (flat yarns). The mechanical strength, intensified by reinforcement strips, allows the net to be highly windproof and to protect the scaffolding from bad weather. Thanks to its fine mesh and its resistance, Editis is the essential net for all your sandblasting and abrasive cleaning (called hydrogommage) sites.

Product	Weight	Mesh	Blockage	Wind-break	Resistance	Colour	Width	Length	Finishes	Pack.
Editis M1 Version Next page	130g/m ²	Woven	75%	90%	15 kN/m warp 19kN/m weft	White	2.07 - 2.57 - 3.07m	20m	With loops on the edge	Roll
							1.09 - 1.57 - 2.07 - 2.57 - 3.07m	50m		
							2.70 - 3.20m	50m	Without loops on the edge	
						White with blue buttonholes*	2.70 - 3.20m	50m	Without loops on the edge	
						Transparent	2.07m	50m	With loops on the edge	
Green	2.07 - 2.57 - 3.07m	50m								

* references for Scandinavian and Nordic countries

MANUFACTURER'S ADVICE

The Editis netting has a strong wind resistance as it is 90% blackout. For a good hold of the woven fabric on your scaffolding we offer a wide range of widths to meet your layout.

If the width of your Editis does not correspond to your scaffolding bay width, a few ties on the side will not be enough! We advise you to attach the Editis with Omega clips at the top and bottom and to stretch a strap in place of the missing post to take over the attachment of the fabric.



Omega clip and strap

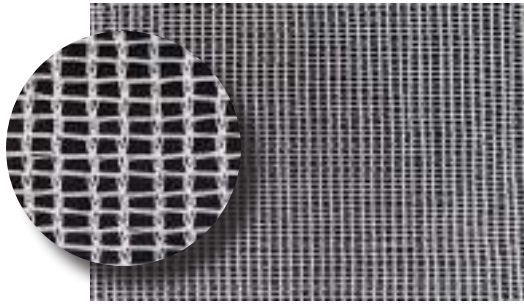


Tube replacement by strap tutorial available on our Youtube profile Alphatex

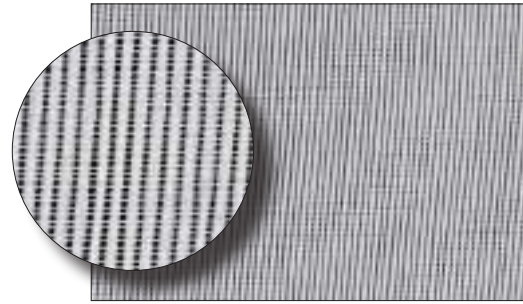


SCAFFOLDING NETTING

Fireproof



Ignifurex 100



Eeditis B1 - M1 - Euroclass



M1 fireproof scaffolding netting, “non-flammable”. These nets are ideal for medium-term indoor construction sites or for work on historic buildings (fireproofing in the mass of the netting: water does not remove the treatment).

Product	Weight	Mesh	Blockage	Wind-break	Resistance	Colour	Width	Length	Finishes	Pack.
Ignifurex 100	100g/m ²	Rect. 2x4mm	45%	45%	730 Kg/m ²	White	3m	20 - 50 - 200m	Side buttonholes	1.5m Roll
							4m	100m		2m Roll
							5 - 6m	100m		1.5m Roll
Eeditis B1	130g/m ²	Tissée	30%	35%	500 kg/m ²	White	2.57 - 3.07m	50m	With loops on the edge and inside	Roll
Eeditis M1							2.07m			
Eeditis Euroclass							2.57 - 3.07m			
							2.70 - 3.20m			

MANUFACTURER'S ADVICE

The Eeditis netting has a strong wind resistance as it is 90% blackout. For a good hold of the woven fabric on your scaffolding we offer a wide range of widths to meet your layout.

If the width of your Eeditis does not correspond to your scaffolding bay width, a few ties on the side will not be enough! We advise you to attach the Eeditis with Omega clips at the top and bottom and to stretch a strap in place of the missing post to take over the attachment of the fabric.



Omega clip and strap



Tube replacement by strap tutorial available on our Youtube profile Alphatex

Our manufacturer's advice



REACTION TO FIRE

In fire safety, “reaction to fire” and “fire resistance” are two different concepts. They are codified at national and European level in a highly regulated manner. Reaction to fire is the representation of a material as a fuel for fire (combustibility, flammability), defined by the M-rating. It is the way in which a material (concrete, wood, paper,...) will behave as a fuel. This reaction is defined after standardised tests in approved centres. This is the indicator that is taken into account for all Alphatex fireproof materials.

Fire resistance is the time during which a construction element retains its physical and mechanical properties in the event of a fire. This indicator is intended for builders and concerns construction materials.

FRENCH CLASSIFICATION

In France, there is a classification (NF P. 92.507 standard), composed of 5 categories, which defines the reaction to fire of materials: the categories go from M0 to M4, M4 being the most easily flammable and M0 the most difficult to ignite. This classification is established by the Centre Scientifique et Technique du Batiment. A fire classification report is issued by the CSTB for a period of five years. A material classified M4 will ignite very quickly and will favour the propagation of fire whereas an element classified M0 will hardly ignite and will not propagate fire.

At Alphatex, our certifications are available on request. All our tests are carried out by a laboratory approved by the Ministry of the Interior and COFRAC for reaction to fire type M1 and benefit from a European notification for reaction to fire tests related to construction products (RPC).

EUROPEAN CLASSIFICATION

A European decree of 21 November 2002 now makes it possible to apply the Euroclasses of reaction to fire. For CE marked products, the reaction to fire classification must in fact be expressed according to the Euroclasses.

For other products, the choice is left to the manufacturer to opt for the M classification or the Euroclasses. The Euroclasses divide materials into two parts: floors and other products.

The Euroclasses, classified according to EN 13501-1 standard, incorporate a system of five requirement categories: A, B, C, D, and E; to which is added category F corresponding to the NC of M classification.

However, CE marking is only mandatory if the application of the product or system is regulated by a harmonised European standard, or if the system has a European Technical Approval (ETA) or a European Technical Assessment (ETA).



Ignifurex test

It is important to note that the Euroclasses take into account two additional criteria for reaction to fire:

Smoke opacity marked “s” for smoke:

- s1: low quantity/speed
- s2: average quantity/speed
- s3: high quantity/speed

Plets and debris marked “d” for droplets:

- d0: no debris
- d1: no debris with a combustion lasting more than 10 seconds
- d2: neither d0 nor d1



Editis Euroclass test

CONCORDANCE OF FRENCH AND EUROPEAN FIRE CLASSIFICATION STANDARDS

French standard NF P 92-503			European standard Euroclass NF EN 13501-1				
			s = smoke: smoke production		d = drop: fall of flaming drops and debris		
-	-	A1	Non-combustible	-	-	-	-
M0	Non-combustible materials	A2	Practically non-combustible	S1	Low smoke production	D0	No flaming droplets or particles
M1	Non-flammable combustible materials	A2	Practically non-combustible	S1	Low smoke production	D1	Falming droplets or particles lasting less than 10s.
		A2		S2	Medium smoke production	D0	No flaming droplets or particles
		A2		S3	Average smoke production	D1	Falming droplets or particles lasting less than 10s.
		B	Resists prolonged attack by flames or a single burning object while limiting flame spread	S1	Low smoke production	D0	No flaming droplets or particles
				S2	Medium smoke production	D1	Falming droplets or particles lasting less than 10s.
				S3	Average smoke production		
M2	Hardly flammable combustible materials	C	Resists brief attack by flames or a single burning object while limiting flame spread	S1	Low smoke production	D0	No flaming droplets or particles
				S2	Medium smoke production	D1	Falming droplets or particles lasting less than 10s.
				S3	Average smoke production		
M3	Medium flammable combustible materials	D	Resists brief attack by small flames while limiting spread	S1	Low smoke production	D0	No flaming droplets or particles
M4 (non-dripping)	Highly flammable combustible materials	D	Resists brief attack by small flames while limiting spread	S2	Medium smoke production	D1	Falming droplets or particles lasting less than 10s.
		D		S3	Average smoke production		
M4	Highly flammable combustible materials	E	Resists brief attack by small flames while limiting spread			D2	Falming droplets or particles lasting less than 10s.
		F	No performance determined				



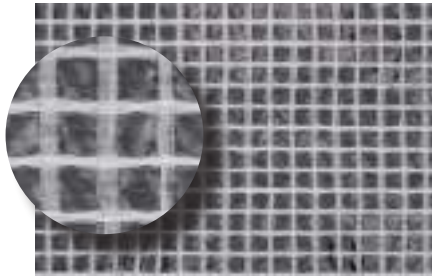
Armatex 170



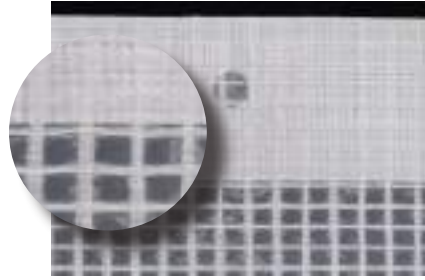
Armatex 200 B1

SCAFFOLDING TARPAULINS

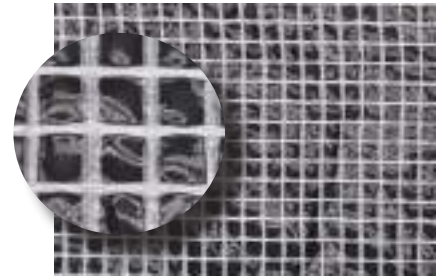
170-280g/m²



Armatex 170



Armatex 200 B1



Armatex 280



B1



120Kly

Our Armatex reinforced tarpaulins are made of translucent PE-coated HDPE (except for the fireproof version). They are perfect for protecting your sites from water and air as well as for the protection of sites that produce large amounts of splashes.

All our tarpaulins are supplied with reinforcement strips and pre-holes: single on one side, double in the centre and double on the other side.

Product	Weight	Wind-break	Resistance	Width	Length	Finishes	Pack.
Armatex 170	170g/m ²	100%	Warp 510N/5cm - Weft 480N/5cm	2.70 - 3.20 - 4.10m	20m	Reinforcement tape and double pre-hole top, single bottom and 2 inside	Box
				3.20	100m	Reinforcement tape and double pre-hole top, single bottom and 2 inside	Roll
Armatex 200 B1	200g/m ²	100%	Approx. 500 N/5cm	2.70 - 3.20m	20m	Reinforcement tape and double pre-hole top, single bottom and 2 inside	Box
Armatex 280	280g/m ²	100%	Warp 640N/5cm - Weft 500N/5cm	3.20m	20m	Double buttonholes on one side, single on the other Reinforcement tape and double pre-hole top, single bottom and 2 inside	Box
					100m	Reinforcement tape and double pre-hole top, single bottom and 2 inside	Roll

MANUFACTURER'S ADVICE

Our 170 gr/m² scaffolding tarpaulins (Diagram 1) have double pre-holes in the reinforcement tape on one side to allow for overlapping. The bevelled part of the shock cord (Photo 1) is simply passed through the 2 holes, which slopes outwards, allowing the shock cord to be passed around the posts. Another recommended installation technique is to pass the shock cords between the scaffolding rails to ensure they are held in place on the structure (Photo 2).

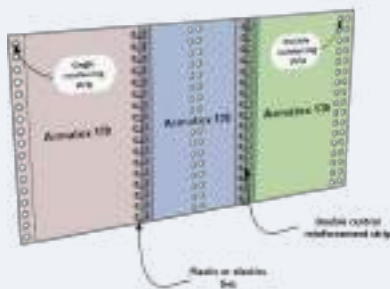


Diagram 1: Overlapping tarpaulins



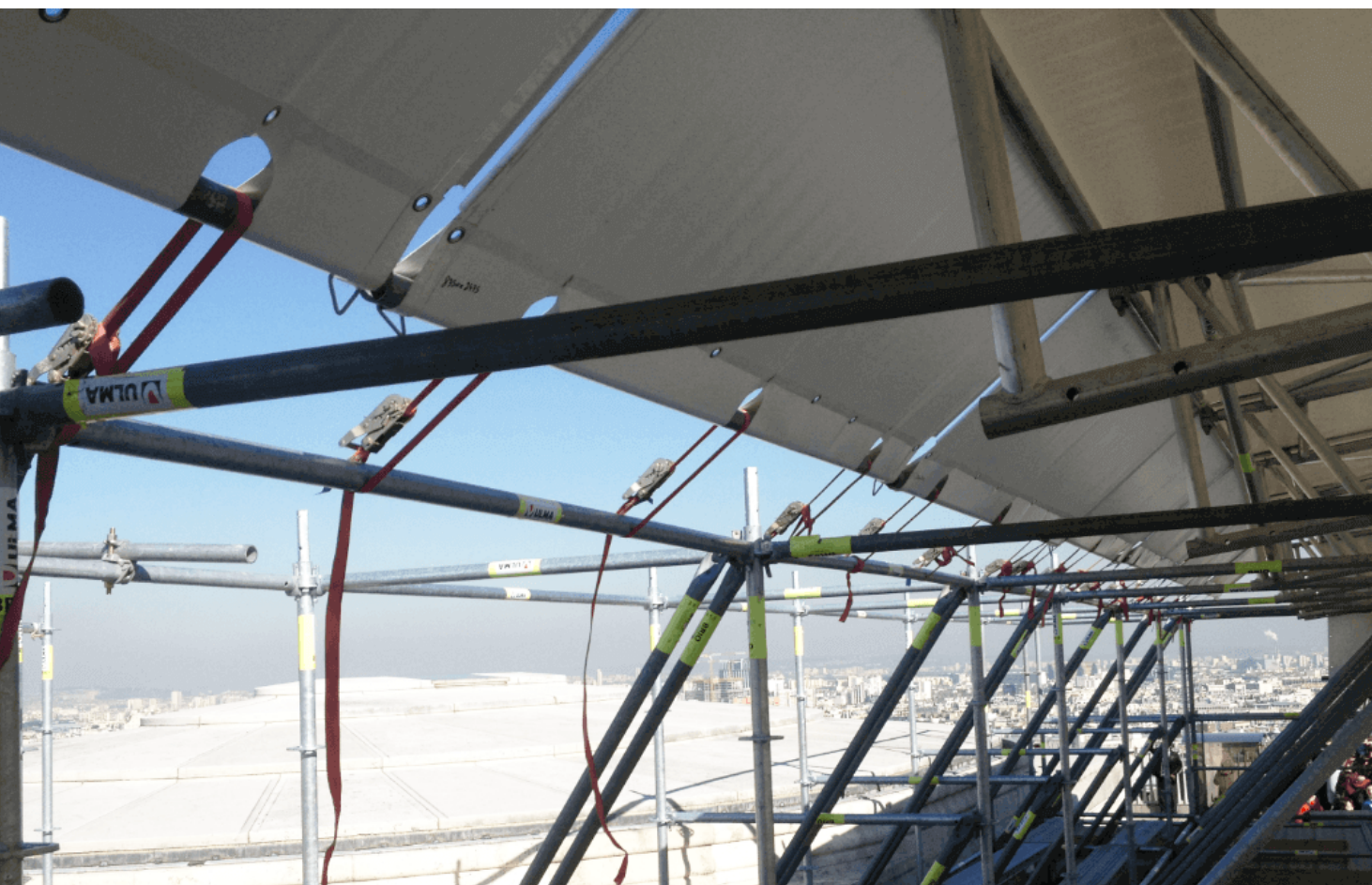
Photo 1



Photo 2



Paratex



Paratex

UMBRELLA TARPAULINS



Paratex



High-tenacity polyester (PES) tarpaulin (1100dTEX), multi-layer PVC coating using the Lowick system and M2 fire rating.

We customise our umbrella tarpaulins according to the distance between centres and the diameter of your rails. Our tarpaulins are equipped with 2 pull straps at each end, ending in rings to help with threading into the rails; the straps and rings are not used to attach the tarpaulin. At each end you will find eyelets to pass a shock cord but above all the crenellated sleeve.

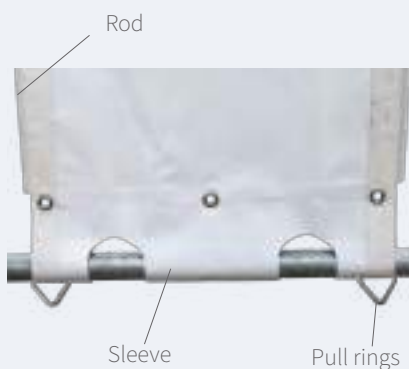
Product	Weight	Blockage	Wind-break	Resistance	Colour	Width	Length	Finishes	Pack.
Paratex	650g/m ²	100%	100%	35/25 daN	White	1 - 1.5 - 2 - 2.5m	free	Intermediate reinforcements, pull straps, crenellated sleeves, pull rings and eyelets	Per piece
Gable cover						free	free		

Umbrella tarpaulins must be combined with certain products in order to be installed. Find these elements in the table below.



Product	Dimensions	Packing
Strap	35 ou 50mm	100m reel
Ratchet	35 ou 50mm	per piece
Shock cord	8mm	100m reel

MANUFACTURER'S ADVICE



Pull rings Umbrella tarpaulins equipped with rods

NOTE:
2.50 m width maximum, beyond that it is difficult to catch the centre of the tarpaulin by pulling on the ends.

Our manufacturer's advice



CONSTRUCTION SITES WITH UMBRELLA TARPAULINS

Umbrella tarpaulin system is used to create a temporary roof over a building when the roof is being renovated. This system is less dangerous to install than sheeting and if a tarpaulin were to be torn off in a storm the risk of accident would be minor compared to sheeting flying off.

Umbrella tarpaulins with the rail system can also be used for vertical protection on long term sites of more than 1 year where heat shrinkable film would have a short life span.

TIPS FOR A GOOD RESISTANCE OF UMBRELLA TARPAULINS

The secret to keeping umbrella tarpaulins in place on your site lies in their TENSION. In fact, umbrella tarpaulins have 2 weak points:

- Shearing at the ends of the rails if the tarpaulin moves with the permanent air currents at height. This shearing can accelerate and lead to the tearing of the canvas during a gust of wind often accompanied by rain, which would lead to water damage on the site. Shearing is avoided when the tarpaulins are tensioned.
- The weight of water or snow on the structure and on the umbrella tarpaulins can lead to the tarpaulins tearing or the rails collapsing.

A minimum slope of 15% is required for good water flow and good tension to prevent water or snowdrifts from forming. It is recommended that any snow that accumulates should fall to the ground.

The need for tension for the success of your project is also the reason why we do not recommend the use of umbrella tarpaulins over 2.5 m.

With a width of 3m it is difficult to catch the natural centre of the tarpaulin even with our tensioning technique.

HOW TO GIVE THE BEST TENSION TO YOUR UMBRELLA TARPAULINS

As a reminder, an umbrella tarpaulin is a PES fabric which is coated with PVC; like all fabrics it is subject to the phenomenon of expansion.

This is why Alphatex makes your umbrella tarpaulin to the exact size of the distance between 2 rails so that your tarpaulin is stretched in width as soon as it is laid.

The consequence is that putting the tarpaulin on can be a bit difficult, so we advise you to use a lubricant (black soap) to increase the sliding of the rod in your rail and to use the pull rings.



Caution: The pull ring is used to make it easier to place the tarpaulins on the scaffold. It should only be used to pull the tarpaulins during installation and not for hanging the tarpaulins.

Once your tarpaulin is positioned in the rails, you will pass a tube in each sleeve at both ends and then, thanks to the crenellated sleeves, you will tension the whole with 3 ratchet straps per side.

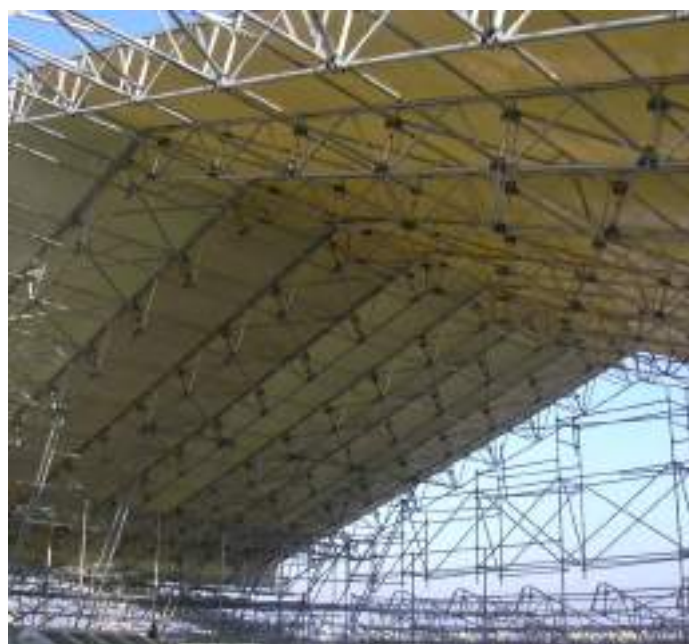
Your tension is perfect, the tarpaulins don't move in the wind and water can slide over them without risk for your site.



UMBRELLA TARPULIN FOR TENTS

For tent tarpaulins the end finishing and the size of the rods are not the same as for scaffolding tarpaulins.

The tarpaulin must be installed by using shock cords. With a 6 mm diameter shock cord, you can transfer it to the tube by passing it through the eyelets that are placed every 50 cm on the tarpaulin. This method offers you the advantage of being able to customise your tensioning.



Accessories on page 50



Find all our tips, video tutorials and manufacturer information on our blog at <https://www.alphatex.eu/le-blog-alphatex/>



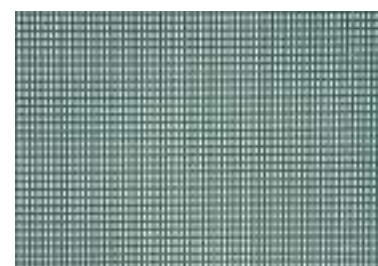
Tarpaulin 680g/m²



Tarpaulin 450g/m²

PVC TARPAULINS

Flat and microperforated

Tarpaulin 680g/m²Tarpaulin 600g/m²Tarpaulin 450g/m²Transparent tarpaulins 625g/m²Microperforated tarpaulins 340g/m²Microperforated tarpaulins 260g/m²

We offer a wide range of tarpaulins for many types of protection on your construction sites but also in a more permanent way for the equipment of your buildings, ponds, for transport... We have acquired technical skills in advising and supplying PVC coated tarpaulins to our scaffolding customers. On the one hand, by supplying tarpaulins for the protection of front structures, on the other hand, with the development of cover systems.

High-tenacity polyester (PES) tarpaulins, multi-layer PVC coating using the Lowick system.

Flat tarpaulins can be made to your requirements: cut-outs, sleeves, reinforcement tapes, eyelets, hook-and-loop fastening. For scaffolding, assembly on a slide to hoist the fabric.

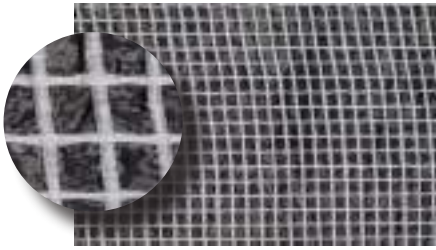
Product	Weight	Fire classification	Resistance	Colour	Finishes	Width	Length	Applications
Tarpaulin 680	680g/m ²	M4	Warp 2500 N/5cm - Weft 2200 N/5cm	White - Beige - Yellow - Red - Blue - Green - Grey - Black	CleanGard varnish 2 sides	Free	Free	Flat Covers Pond covers Vehicle covers
Tarpaulin 680 M2		M2						Tents and structures Outdoor containments Awnings
Tarpaulin 600	600g/m ²	M4	Warp 2000 N/5cm - Weft 2000 N/5cm	Green - Blue	Matt varnish			Flat tarpaulins Protective covers Agricultural covers
Tarpaulin 450 M1	450g/m ²	M1	Warp 2000 N/5cm - Weft 2000 N/5cm	White - Blue - Grey - Yellow	Matt or varnished			Partitioning Workshop separation
Transparent Tarpaulin 625 M2	625g/m ²	M2	Warp 2600 N/5cm - Weft 2400 N/5cm	Transparent	Interior and exterior			Transparent partitioning Partition curtains Tents
Microperfo- rated Tarpaulin 340	340g/m ²	M4	Warp 1800 N/5cm - Weft 1500 N/5cm	White	Exterior			Agricultural curtains Shading Flat tarpaulins
Microperfo- rated Tarpaulin 260	260g/m ²	M4	Warp 1900 N/5cm - Weft 1700 N/5cm	Green	Exterior			Agricultural curtains Shading Flat tarpaulins



Alphasol 900

PROTECTIVE TARPAULINS

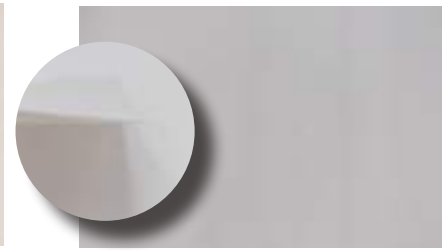
For floors



Armatex 90



Alphasol 500



Alphasol 500 M1



Alphasol 900



Polyaplast



Our floor tarpaulins are a technical and protective solution for your construction sites. We offer a wide range from basic 90 g reinforced film for scaffolding decking to 900 μ film for heavy duty and puncture resistant decking.

CAUTION: Some of our films are best used indoors only and are not UV treated (see table below).

Product	Weight	Thick-ness	Fire classi-fication	UV treatment	Colour	Width	Length	Pack.
Armatex 90	90g/m ²	/	M4	120 Kly	White/Translucide	1.5m	50 - 100m	Roll
Alphasol 500	470g/m ²	500 μ	M4	None	Opaque	2m	20m	Roll
Alphasol 500 M1	470g/m ²	500 μ	M1	None	White	2m	20m	Roll
Alphasol 900	850g/m ²	900 μ	M4	None	Opaque	2m	20m	Roll
Polyaplast	180g/m ²	200 μ	M4	None	Translucide	3m	40m	1.5m Roll
	161g/m ²				White	3m	40m	1.5m Roll
					6m	20m	1.5m Roll	

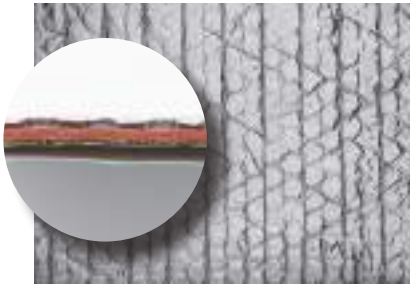




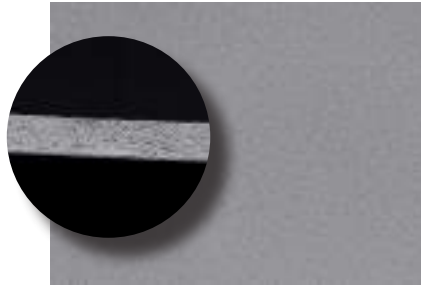
Bulfeu

PROTECTION

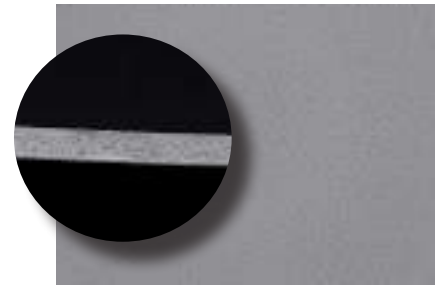
Thermal and acoustic



Bulfeu



Acoustic tarpaulin



Acoustic tarpaulin M2

Bulfeu is a sandwich panel consisting of a central core of fireproof foam sheet (3 mm), sandwiched between two bubble films (30 μ) and covered on each side with an aluminium film (150 μ). It offers excellent thermal protection for sites exposed to high heat.

Our acoustic tarpaulin has excellent acoustic and thermal insulation properties. Highly flexible material with a smooth side and a rough side to absorb sound waves.

Good resistance to atmospheric conditions and UV with an anti-mould treatment. For good efficiency it is essential to completely confine the site.

Product	Weight	Fire classification	Thickness	Protection	Width	Length
Bulfeu M1	610g/m ²	M1	1cm	Thermal -40°C to 80°C	1.20m	Free
Acoustic tarpaulin	1550g/m ²	M4	5mm	Acoustic (see table below)	2.60m	Free
Acoustic tarpaulin M2		M2			2.50m	Free

MANUFACTURER'S ADVICE

ACOUSTIC TARPAULIN - GAINS IN DB

Example of the acoustic insulation characteristics of the acoustic tarpaulin - Gains in dB according to the frequencies, note that removing 3 Decibels corresponds to dividing the sound intensity by 2.

Frequencies	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz
Fireproof acoustic tarpaulin M2 Gains in Db	10dB	11dB	15dB	18dB	19dB	24dB



Ratchet spanner



Anchor hook

SCAFFOLDING

assembly



Hammer ratchet spanner



Ratchet spanner

Product	Diam.	Length	Weight	Informations
Hammer ratchet spanner	19-22mm	335 mm	0,72 kg	Multi-purpose spanner: nut tightening, bolt tightening, hammer and lever.
	21-22mm			
Ratchet spanner	19-22mm	310 mm	0,45 kg	Box of 2 pcs.
	21-22mm			



Anchor hook



Wall plug



Cap for a wall plug

Our anchor hooks associated with our wall plugs have undergone a pull-out test by the CSTB; you can request a copy of the results.

Product	Diameter	Length	Packing
Anchor hook	12mm	90 - 120 - 160 - 190 - 230 - 300 - 350 - 400 - 450 - 500mm	Box of 25 or 50 pcs.
Wall plug	14mm	75mm	Box of 1000 pcs.
Cap for a wall plug	14mm	40mm	Bag of 50 pcs.



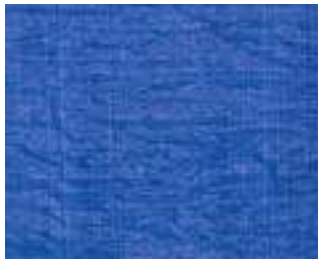
Couvratis 170



Couvratis 60

COVER TARPAULINS

Polyethylene



Couvratis 60



Couvratis 140



Couvratis 170



Couvratis 280



Our light cover tarpaulins are HDPE coated woven strip tarpaulins with hemmed edges and eyelets every metre.

The Couvratis range is UV 120Kly treated and like all lightweight tarpaulins on the market the dimensions are cut-to-size. These tarpaulins are designed for the protection of roofs, equipment and materials. The life of the tarpaulin is determined by its strength. Heavier tarpaulins are preferred for longer life.

Product	Weight	Colour	Wind-break	Bloc-kage	Breaking strength	Width	Length	Finishes	Packing
Couvratis 60	60g/m ²	Blue	100%	100%	Warp 270N/5cm Weft 165N/5cm	2m	3m	Reinforcement hem and eyelets every meter	Box of 10 pcs.
						3m	4m		Box of 10 pcs.
						4m	5 - 6 - 8m		Box of 5 pcs.
						5m	6m		Box of 2 pcs.
						6m	8 - 10m		Box of 2 pcs.
						10m	12m		Box of 1 pc.
Couvratis 140	140g/m ²	White front / Green back	100%	100%	Warp 510N/5cm - Weft 480N/5cm	2m	3m	Reinforcement hem and eyelets every meter	Box of 10 pcs.
						3m	4m		Box of 10 pcs.
						4m	5 - 6 - 8m		Box of 5 pcs.
						5m	6m		Box of 2 pcs.
						6m	8 - 10m		Box of 2 pcs.
						10m	12m		Box of 1 pc.
Couvratis 170	170g/m ²	Green	100%	100%	Warp 3000N/5cm - Weft 2500N/5cm	6m	10m	Reinforcement hem and eyelets every meter	Bale of 2 pcs.
Couvratis 280	280g/m ²	White	100%	100%	Warp 3200N/5cm - Weft 3400N/5cm	4m	6m	Reinforcement hem and eyelets every meter	Box of 1 pc.
						6m	8m		
						6 - 8m	10m		
						10m	12m		

Accessories on page 50





Couvrapro

COVER TARPAULINS

Reinforced and PVC



Couvratex



Couvrapro



120Kly



The Couvratex tarpaulin is a translucent reinforced cover made of HD polyethylene with PE coating, hemmed edges and eyelets every meter. Designed for the protection of roofs, equipment and materials.

Couvrapro is a high tenacity (1100 dTEX) polyester (PET) tarpaulin with a multi-layer PVC coating using the Lowick system. Ideal for use as a roof covering for long term sites after a disaster or restoration. Standard range of tarpaulins available or made-to-measure.

Product	Weight	Material	Colour	Wind-break	Bloc-kage	Resistance	Width	Length	Finishes	Packing
Couvratex	200g/m ²	HDPE	Translucent and white	100%	100%	Warp 590N/5cm - Weft 490N/5cm	3m	4m	Reinforcement hems and eyelets every meter	Box of 10 pcs.
							4m	5 - 6 - 8m		Box of 5 pcs.
							5m	6m		Box of 2 pcs.
							6m	8 - 10m		Box of 2 pcs.
							10m	12m		Box of 1 pc.
Couvrapro	600g/m ²	PVC	Green	100%	100%	Warp 2000 N/5cm - Weft 2000 N/5cm	6m	8 - 10m	Reinforcement hems and eyelets every meter	Per piece
			Green or blue				8m	10m		
							10m	12m		
							libre	libre		

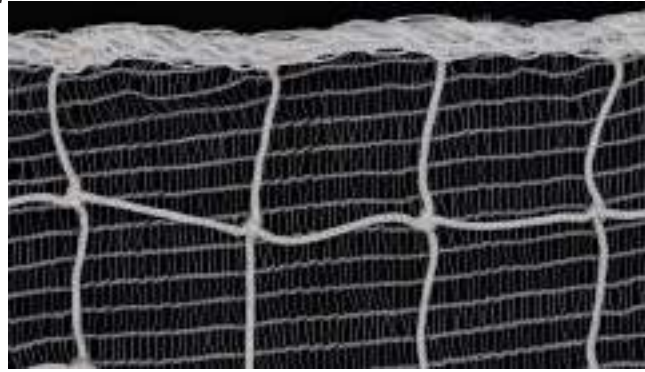
MANUFACTURER'S ADVICE

Couvrapro is a PVC tarpaulin ideal for long term sites because of its high mechanical and UV resistance. It is the perfect product for interventions after damage to historical monuments or public buildings.

Accessories on page 50



Our manufacturer's advice



Anti-fall net NF EN 1263-1

INSTALLATION

The installation must be carried out with Type L ropes or Type M ropes with a breaking strength of at least 30 kN, i.e. a 12 mm diameter polyamide rope. The distance between each anchor point must be less than 2.50m

Note : For all L, M, N and O types, the rope ends are determined to prevent fraying.

The rope should never be tied to the mesh, but to the peripheral bolt rope.

Nets can be installed with karabiners and strops in accordance with the NF EN 1263-2 standard.

ASSEMBLY

It should be made with Type N rope or Type O rope with a breaking strength of at least 7.5 kN or 8 mm diameter polyamide rope.

The distance between the surfaces of the assembled nets must be less than 100 mm.

When the assembly is made by overlapping, this must be at least 2m.

STRENGTHS AND CHARACTERISTICS

The ropes must be mounted on anchor points with a minimum characteristic force of 6 kN.

FALL HEIGHT

The net must be mounted as close as possible to the work surface and the height between the risk of falling. The net must not exceed 6m according to the European standard. However, each country's labour code may impose a different recommendation, so you should check carefully. In France the labour code stipulates that the maximum height between the risk of falling and the net must not exceed 3m.

STORAGE

Nets:

- must be stored in a dry place
- must be protected against UV rays
- must not be stored near heat sources
- must be kept away from all aggressive products (acids, washing products, solvents, oil...)

If somebody falls in the net, it must be inspected and replaced if necessary.

CONTROL

The net must be checked every year (3 meshes test per net). The life span of the net does not exceed 41.75 months.



Find all our tips, video tutorials and manufacturer information on our blog at <https://www.alphatex.eu/le-blog-alphatex/>

Peripheral nets NF P 93-355

This net is intended for waterproofing contractors for temporary protection of roof terraces. These nets are not suitable for risks of falling with inertia.

DIMENSIONAL AND FUNCTIONAL REQUIREMENTS

Intermediate protection:

- Consists of a net that meets the requirements concerning mesh size of max. 100 mm x 100 mm
- The wire diameter is at least 3 mm
- Includes a peripheral rope of at least 8 mm to allow it to be hung at the top and bottom

CHARACTERISTICS

Safety nets used as intermediate protection must meet the following requirements:

- Stop a person (weight of 90 kg) moving towards the protective device at a speed of 2 m/s (test energy 180 J)
- Have a durability of 2 years after commissioning,
- Be weatherproof and UV resistant,
- Be traceable (marking, manufacturer references, etc.)
- Be accompanied by a manufacturer's manual including the following points:
 - a) Assembly, use and dismantling (associated with the peripheral protection);
 - b) Storage, maintenance and control;
 - c) Conditions for removing the nets from use;
 - d) Warning of dangerous phenomena (e.g. extreme temperature, chemical influence)
 - e) Declaration of conformity with these requirements;
- Have a peripheral rope

TIPS

- Regularly check the condition of the netting
- Remove nets that have stopped falling or that have passed the mandatory test date (test every year, see manufacturer's instructions)
- Ensure that the storage conditions indicated in the instructions are respected



REMINDER OF STANDARDS

NF EN 1263-1 standard - Safety nets - Part 1

Specifies safety requirements and test methods, based on the performance characteristics of polypropylene and polyamide fibres. These standards are available on the AFNOR website at www.afnor.fr

NF EN 1263-2 standard - Safety nets - Part 2

Specifies the safety requirements for the installation of safety nets in accordance with the manufacturer's instructions and product specifications, and for the performance of tests on safety nets.



Normachute - vertical installation



Normachute - horizontal installation



Alphamailles - peripheral net

STANDARDISED NETTINGS

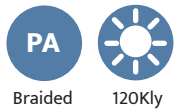
NF EN 1263-1 and NF P 93-355



Normachute



Alphamailles



Braided

120Kly

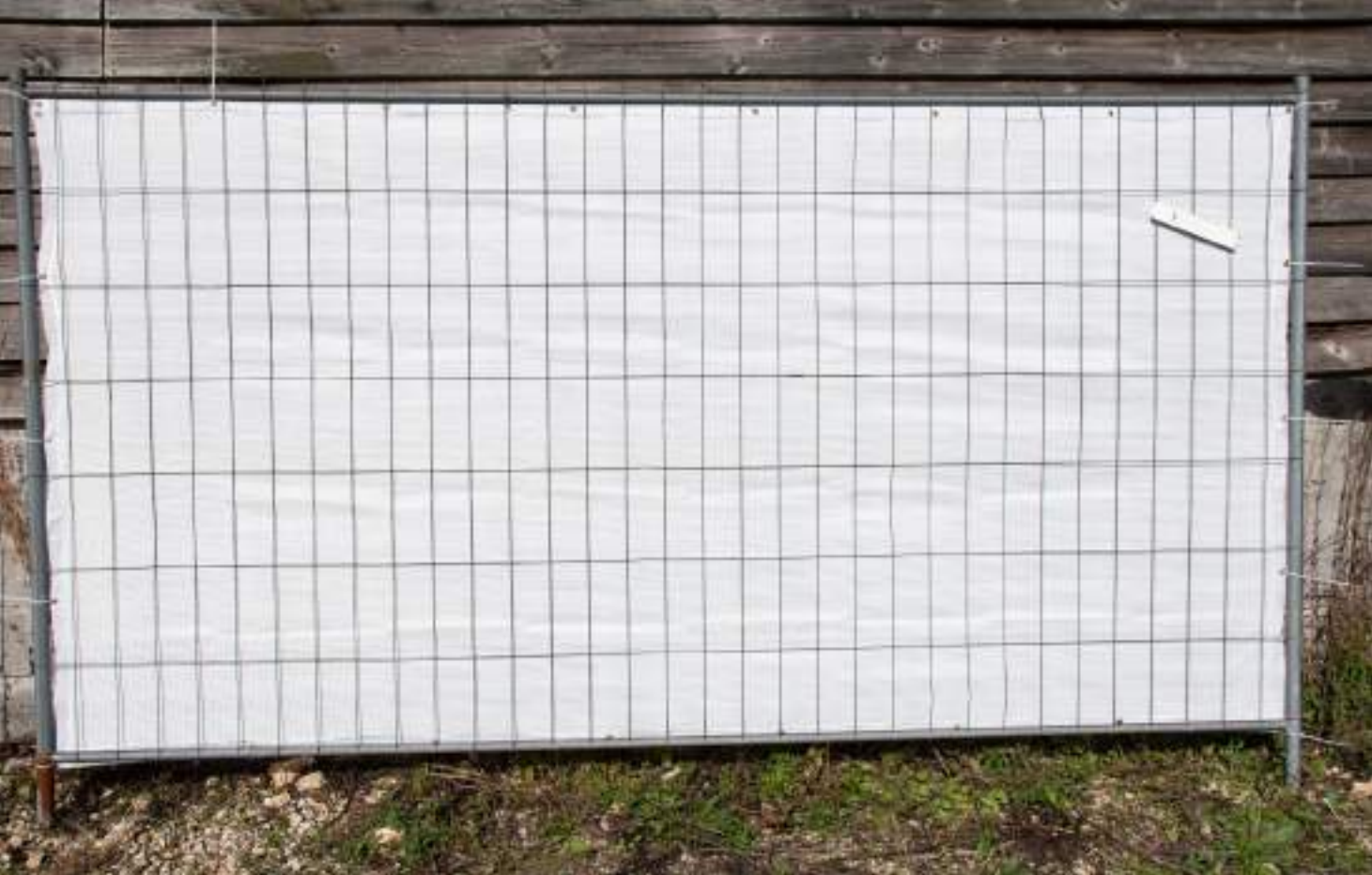
Our range of anti-fall nets complies with standards NF EN 1263-1 (for roofers) and NF P 93-355 (for waterproofing contractors). Used on temporary sites with a risk of falling, such as roofing work, our nets are made of 4.75 mm polyamide or 3 mm polypropylene with peripheral bolt rope, as required by the standards in force.

Product	Weight	Mesh	Yarn diameter	Standard	Resistance	Colour	Finishes	Width	Length
Normachute System U (Vertical installation on supporting structure)	205g/m ²	100mm	4.75mm	NF EN 1263-1 Class A2 (roofer)	2.3 KJ	White	12 mm peripheral bolt rope without underside with sewn-in underside 50gr/m ²	1m	10 - 20m
								2m	10 - 20m
Normachute System S (horizontal installation)	205g/m ²	100mm	4.75mm	NF EN 1263-1 Class A2 (roofer)	2.3 KJ	White	12 mm peripheral bolt rope without underside	5m	6 - 10 - 20m
								6m	8 - 9 - 10 - 12m
								7m	10m
							12 mm peripheral bolt rope with sewn-in underside 50gr/m ²	10m	10 - 15 - 20m
								15m	15m
								5m	10m
Alphamailles Peripheral net	160g/m ²	100mm	3mm	NF P 93-355 (waterproofing contractor)	180 J	White	8 mm peripheral bolt rope without underside	1m	10 - 20m
								2m	10 - 20m

Our standardised nets must be combined with certain products in order to be installed. A 8 mm rope is used for joining 2 nets. A 12 mm rope is used to attach the net around the perimeter.



Product	Dimensions	Packing
8 mm rope	Ø 8mm	100 m reel
12 mm rope	Ø 12mm	100 m reel or by linear metre
Strop	Ø 12mm / Length 0.3m, 0.5m, 0.7m, 1m	Per piece
Carabiner	Ø 10mm	Per piece



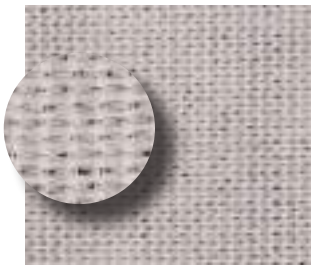
Alphavue 75



Black Alphavue 95

CONSTRUCTION SITE BARRIER

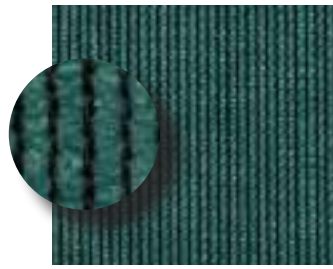
Nets and tarpaulins



Alphavue 75



Alphavue 90 LG



Alphavue 95



Polyethylene tarpaulin



Alphatex offers nets for use on Heras barriers. These nets are available in the dimensions of the construction site barrier (1.76m x 3.41m) or in rolls for installation around the site. Perfect for screening the construction area. We also offer polyethylene tarpaulins for construction site barriers.

Product	Weight	Bloc-kage	Wind-break	Colour	Fire classification	Width	Length	Finishes	Packing
Alphavue 75	130g/m ²	65%	75%	Green/black or white	M4	1.76m	3.41m	Hem and eyelets every 50 cm	Box of 10 pcs.
				White		1.50 - 1.80 - 2m	200m	Side buttonholes	Roll
Alphavue 90 LG	90g/m ²	70%	85%	Dark Green	M4	1.80m	50 - 100 - 200m	Side buttonholes	Roll
Alphavue 95	185g/m ²	85%	95%	Green/Black - Black	M4	1.76m	3.41m	Hem and eyelets every 50 cm	Box of 10 pcs.
				Green/Black		1.80 - 2m	50 - 100m	Side buttonholes	Roll
Polyethylene tarpaulin	140g/m ²	100%	100%	Green - Black - Blue - White	M4	1.76m	3.41m	Sewn with PP rope and eyelets every 50 cm	Box of 20 pcs.

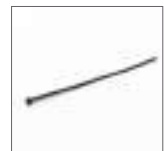
MANUFACTURER'S ADVICE

PRINT YOUR VISUALS ON OUR CONSTRUCTION BARRIER NETTING

Opt for a personalized printing (logos, advertisements, contacts or trompe l'oeil) on your construction site barriers. See our offers on p. 100.



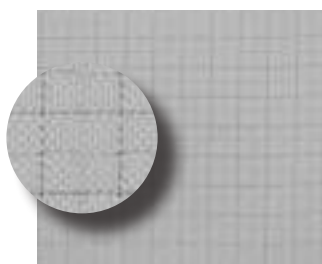
Accessories on page 50



TECHNICAL TEXTILES



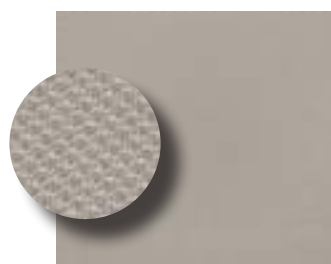
Glass fabric 455 M0



Glass fabric 610 M0



Glass fabric 650 M1



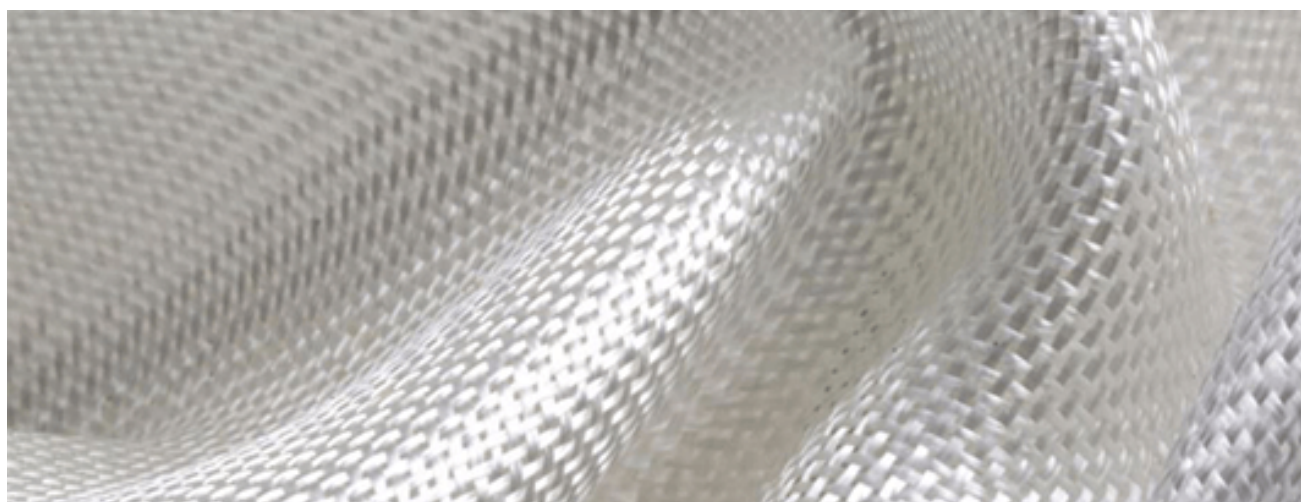
Glass fabric 1120 M0



We have chosen to integrate a range of fireproof technical fabrics up to M0 classification, to meet the needs of our customers in the industrial field. These new protection needs are also echoed in the construction sector.

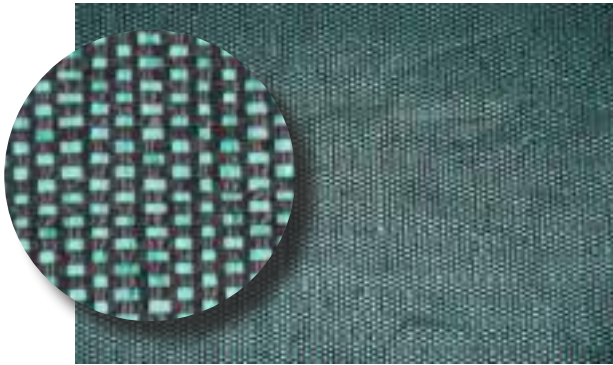
Our technical textiles offer excellent thermal insulation, good mechanical resistance, and excellent resistance to oils, vapours and chemicals.

Product	Applications	Temperature resistance	Weight	Thickness	Finishes	Width	Length
Glass fabric 455 M0	Grinding protection, smoke barrier, containment screen	200°C	455g/m ²	0.4mm	2-sided polyurethane coating	Up to 3 m	free
Glass fabric 610 M0	Grinding and welding protection	600°C	610g/m ²	0.68mm	Anti-fray	free	
Glass fabric 650 M1	Waterproof protection	200°C	650g/m ²	0.65mm	Weldable PVC coating	1.5m	
Glass fabric 1120 M0	Welding protection, high temperature insulation	1100°C	1120g/m ²	1.4mm	Vermiculite	0.90m	

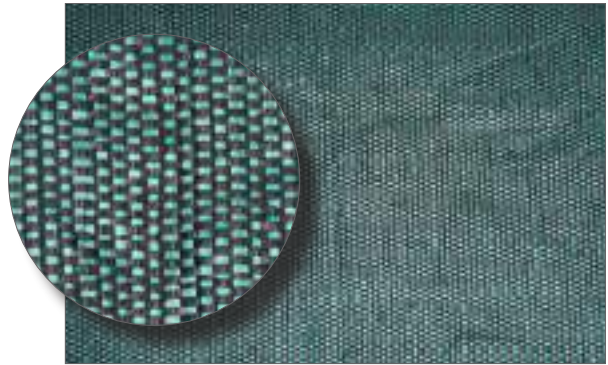


LANDSCAPE FABRIC

100-130g/m²



Floortis 100



Floortis 130



Our 100% polyethylene woven landscape fabrics are 600kly anti-UV treated. The Floortis fabric can be laid on your embankments and verges to prevent the growth of weeds and to encourage the growth of trees and shrubs. The Floortis fabrics are water permeable.

Product	Blockage	Treat. UV	Weight	Struct.	Colour	Width	Length	Finish	Packing
Floortis 100	100%	600KLY	100g/m ²	Woven	Green	1.05 - 1.25m	100m	Heat cut	Folded roll with PVC core 050mm
				Woven	Black	1.25m	100m		
Floortis 130	100%	600KLY	130g/m ²	Woven	Green or Black	1.25 - 1.65 - 2.1m	100m	Heat cut	Folded roll, same width
						3.30m			1.65m roll
						4.2m			2.10m roll
						5.25m			1.3m roll





COLSON TIES

Our ties or colson ties or cable ties are used to fix tarpaulins and nets to the scaffolding.

Dimensions:

4.8mm x 250/300/450mm,

7.6mm x 300mm,

12.7mm x 230mm, white or black

Bag of 100 pcs.



FLEXIBLE TIES

Reusable elastic ties are used with tarpaulins. Absorb the forces of wind and prevent the tarpaulin from being torn off. Consist of a bevel, a hook and a shock cord.

Dimensions: 31.5cm.

Bag of 50 pcs.



PLASTIC TIES

Reusable blue plastic ties for attaching tarpaulins and nets.

Dimensions: 24cm.

Bag of 500 pcs.



SHOCK CORD

Flexible multifilament. Diameter: 6mm or 8mm.

Colour white or black.

Sold in 100 lm reels or when cut.



STRAP

Strap for fixing or securing a structure.

Colour: white or white with black thread.

Width: 35 or 50 mm.

Sold in 100 m reel.



RATCHET

Single ratchet for strap.

Dimensions: 35 or 50 mm.

Packed by one piece.



REEL OF POLYAMIDE YARN

Reel of yarn for hanging standard nets. Diameter: 8-12mm.

Packed by piece.



CARABINER

Carabiner with screw used for the installation of safety nets.

Standard: NF-EN 362.

Diameter: 10 mm.

Packed by piece.



STROP

Polyamide strop for attaching safety nets.

Standard NF-EN 1263-1.

Diameter: 12 mm.

Length: 0.5, 0.7, 1m.

Packed by one piece.



PP SPLITFILM ROPE

Polypropylene rope.
Colour: black or green.
Dimensions: 4mm x 500lm,
5mm x 200/500lm, 6mm x 200lm,
7mm x 200lm, 8mm x 200lm,
14mm x 200lm.
Sold by a reel.



PP POLYSTEEL ROPE

Polypropylene rope.
Colour: white or light green.
Dimensions: 8mm x 100lm,
8mm x 200lm, 8mm x 300lm,
10mm x 100lm, 12mm x 100lm,
40mm x 220lm.
Sold by a reel.



RUBBLE BAG

Our rubble bags are used to
dispose of debris and simple
and/or sharp materials.
Dimensions: 56x100 cm.



ORANGE ADHESIVE TAPE

Classic adhesive tape.
Orange colour.
Dimensions: 50mm x 33m.
Box of 36 rolls.
Box of 36 rolls.



DUCT TAPE

Strong, easy-to-cut adhesive
tapes. Silver or white colour.
Dimensions: 48 / 72mm x 45m,
50 / 75mm x 50m.
Box of 16 or 24 rolls.



FIRE RETARDANT ADHESIVE TAPE

SCAPA fire retardant adhesive
tape. Dimensions: 48mm x 55m.
Box of 24 rolls.



TACK 0.4 AND 3.4 ADHESIVE TAPE

SCAPA adhesive tape. Very strong
and very adhesive. Dimensions:
48-72- 96-144mm x 33m.
Box of 8 to 24 rolls depending on
width.



DOUBLE SIDED ADHESIVE TAPE

Multi-purpose double-sided
adhesive tape. 1 mm will ensure a
perfect seal between 2 PVC or
polyethylene tarpaulins outside.
Do not stick the adhesive tape on
the scaffolding, use the "U nail"
technique instead. Dimensions:
19mm x 20m. Box of 20 or 48 rolls.



GLUE IN A SPRAY CAN

Liquid glue in a spray can.
Box of 12 cans.

**TUBE CAP**

Sold by 40 pieces.

**PROTECTIVE SHELL
ROSETTE AND COLLAR**

Clips directly onto the tubes.

**OMEGA CLIPS**

For positioning and holding nets, tarpaulins and other films on scaffolding tubes.

Sold by 50 or 500 pieces.



THERMO

- **Films**
 - Thermo films M1
 - Thermo films M4
 - Protective films and floor films
- **Adhesives**
- **Gun and torch**
- **Training**
- **Accessories**

VINCI
IMMOBILIER

AGENCE
ENPEMENTS

AGENCE
DPA

VIN
pa
tro

Our manufacturer's advice



WHAT IS THERMO FILM MADE OF?

Thermo film is made from a specific blend of low density polyethylene (LDPE) granules, resulting in a film with excellent mechanical properties and good elasticity.

The film is also stabilised against heat and light degradation by the addition of anti-oxidant, anti-UV additives. The formulation can also be provided with "flame retardant" additives, making it possible to obtain fire-rated films (French classification M1 and European Euroclass).

HOW MUCH DOES THERMO FILM WEIGH?

The thickness of thermo film is expressed in microns (μ).

- The film is classified as M4: This is a combustible and easily flammable film. The virgin resin LDPE has a density of 0.92-0.925. To this resin, we add various additives (antioxidants, UV, etc.) as well as pigments (titanium oxide, etc.) which gives a final material density of around 0.94 - 0.96 depending on the type of additives used. Our M4 classified films have a material density of 0.94.

EXAMPLE

A 180 μ M4 film will weigh on average 169g/m² (180x0.94). If you buy a 4x70m roll of 180 μ , you can confirm the weight of your film yourself: 4x70 m = 280 m² x 0.171 g = 47.90 kg + weight of your core to be added.



- M1 or Euroclass fireproof film: This is a film whose material is combustible but which does not ignite. The Euroclass specifies in its product certification the smoke emission (s = smoke) and the risk of drop (d = drop) with a coefficient of 1 to 3. To obtain a flame retardant film, we add "flame retardant" additives. These flame retardant additives are very dense and costly. As a result, they add mathematically to the weight of the product per m² for the same thickness. **A film classified as M1 has a material density of 1.07. A film classified as Euroclass has a material density of 1.05.**

EXAMPLE

A 250 μ M1 film will weigh on average 267.5g/m² (250x1.07). If you buy a 10x25m roll of 250 μ M1, you can confirm the weight of your film yourself: 10x25m = 250m² x 0,267g = 66.8kg + weight of your core to be added.

IMPORTANT

If you have a 250 μ film from a competitor that weighs less than 260g/m², then you need to ask yourself the following questions: is it really 250 μ ? Is it really an M1 film (even if it is certified)?

A flame retardant film (e.g. M1) and a non-flame retardant film (e.g. M4) should not be compared in terms of sealing, tension and shrinkage in the same way.

FR (Flame Retardant) agents result in a flame retardant film that reacts less ideally to shrinkage and sealing than a non-flame retardant film.

IS THE THERMO FILM ANTI-UV TREATED?

Chemically:

The additives that stabilise the film against UV light degradation are called HALS (Hindered Amine Light Stabilizer). These additives will protect the polyethylene from heat and light degradation.

We are working on a special flame retardant range that is resistant for up to 18 months (in our Northern European latitudes) using a combination of flame retardants and specific light stabilisers. It is also more expensive.

We can manufacture UV-treated films with a resistance of 3 to 12 months in Europe on request.

Today our range of films is treated as follows:

M4 film: UV 12 months

M1 film: UV 6 months

Euroclass film: UV 12 months

The anti-UV treatment are calculated on the basis of 80KLY per year, corresponding to the exposure in the Paris region.

PE films are more sensitive to environments where sulfur and chlorine are present, which inhibit the action of the light stabilizer HALS Standard. The film degrades more quickly and becomes brittle.

BI-ORIENTATION?

Alphatex produces all of its thermo films on extrusion heads where the die allows for a BI-ORIENT film with widths ranging from 4 to 14m (maximum).

Shrinkage is related to the width of the extrusion head in relation to the width of the sheath.

For ease of use, when a large die has to make a “small” width, it is simpler and cheaper to inflate the bubble very little and stretch more in the direction of the height.

In use, the film will therefore shrink more in length than in width.

Alphatex’s know-how is to offer bi-oriented films in 8 m width with a balanced shrinkage in both width and length.



A WEATHER WINDOW?

To carry out a project, it is not advisable to apply the thermo film:

1/ WHEN THE WIND IS ABOVE 20 KM/H

The wind pushes the heat shrinkable film, which has an impact on the heating of the film, which cannot be uniform. The shrunken film forms rings that are less mechanically resistant and visible.

In addition, the movement of the film favours the formation of flashes during shrinkage, thus creating weakened areas on the film. The flash is an area that is too exposed to heat and where the film loses thickness.

2/ WHEN IT RAINS

The film tautens from 110°C onwards; if it rains on it during shrinkage, the drops of water cool your support and shrinkage does not take place correctly. Visually, the film will not have the expected smooth appearance but a hazy appearance due to the impact of each raindrop. This will weaken the film.

Beware of the combined climatic phenomena. In winter, when it rains, it is tempting to put the film in place and wait for a dry moment to retract it. But in freezing weather, if the dew or rain starts to freeze on the film, it hardens during shrinkage, takes on a cardboard appearance and becomes brittle!

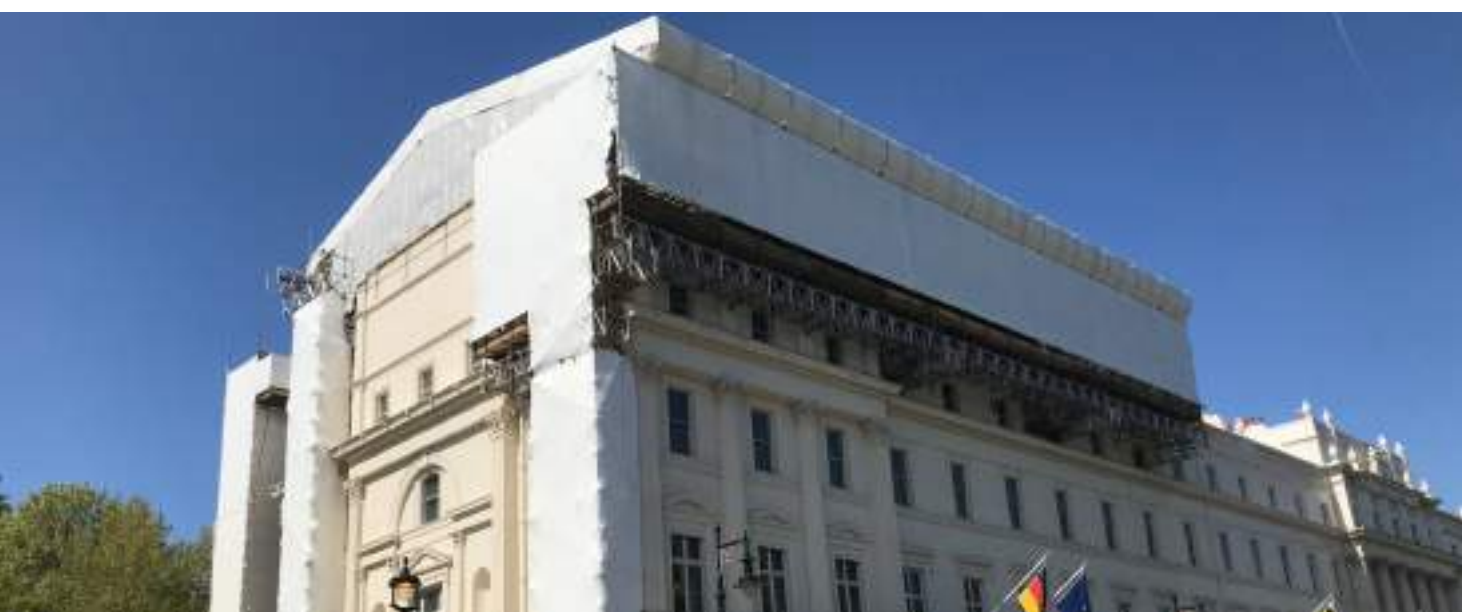
Find all our tips, video tutorials and manufacturer information on our blog at <https://www.alphatex.eu/le-blog-alphatex/>



Securiplast 320



Securizem 250



Europlast 250

HEAT-SHRINKABLE FILMS

Fire protection



Securiplast 200 - 220 - 250 -320



Securizem 250



Europlast 250 - 280



M1 Euroclass

Suitable for many applications, our heat shrinkable films are used as much for the insulation of scaffolding as for the wintering and cocooning of boats, for the transport of goods...

Our M1 range allows us to cover all types of construction sites with film thicknesses from 180 to 320 microns. This allows different flexibility and resistance depending on the film used.

Our films are bi-oriented for length or width shrinkage.



All our films comply with the REACH standard.

Product	Fire classification	Application	Anti-UV treatment	Width	Length	Core width
Securiplast 200μ	M1	Indoor site containment	UV 6 months / 80 Kly base	3m	50m	1.75 m roll
				10m	25m 28m	1.75 m roll
Securiplast 220μ	M1	Outdoor site containment	UV 6 months / 80 Kly base	7m	15m 30m	1.75 m roll
				10m	28m	
				12m	24m	
Securiplast 250μ	M1	Outdoor site containment	UV 6 months / 80 Kly base	10m	20 - 25m	1.75 m roll
Securiplast 320μ	M1	Outdoor site containment	UV 6 months / 80 Kly base	7m	15m	1.80 m roll
				10m	20m	1.75 m roll
Securizem 250μ	M1	Outdoor site containment	UV 6 months / 80 Kly base	10m	25m	1.75 m roll
Europlast 250μ	Euroclass	Outdoor site containment	UV 12 months / 80 Kly base	10m	15 - 30m	1.75 m roll
Europlast 280μ	Euroclass	Outdoor site containment	UV 12 months / 80 Kly base	6m	20 - 40m	1.75 m roll
				7.25m	15 - 30m	1.75 m roll
				10m	20m	

MANUFACTURER'S ADVICE

To meet the requirements of our customers in Europe, our heat shrinkable films are certified according to:

- The French standard NF P 92-503 (M1)
- The European standard NF EN 13501 (B-S1-D0)
- The English standard TS00 and TS63

Accessories on page 66





Alphaplast 180



Alphaplast 220

HEAT-SHRINKABLE FILMS

M4



All our films are REACH compliant

Alphaplast 180 - 200 - 220 - 250 - 320

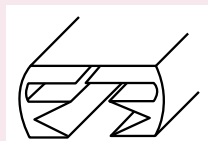


Suitable for many applications, our heat shrinkable films are used as much for the insulation of scaffolding as for the wintering and cocooning of boats, for the transport of goods... Our range of non-flame retardant films classified M4 has the characteristics of being easily welded, of shrinking quickly and evenly thanks to the bi-orientation and finally it offers a very good resistance to UV.

Product	Fire classification	Application	Anti-UV treatment	Width	Length	Packing
Alphaplast 180 μ	M4	Wintering - Packaging - Containment and partitioning	UV 6 months / 80 Kly base	4m	50m - 70m	1.05 m roll
				6m	46m	1.55 m roll
				8m	35m	2 m roll
				10m	28m	1.75 m roll
Alphaplast 220 μ	M4	Outdoor and indoor construction site	UV 12 months / 80 Kly base	8m	35m	1.95 m roll
				10m	28m	1.75 m roll
				12m	24m	
Alphaplast 250 μ	M4	Outdoor construction site	UV 12 months / 80 Kly base	10m	25m	1.75 m roll
Alphaplast 320 μ	M4	Outdoor construction site	UV 12 months / 80 Kly base	7m	15 - 30m	1.80 m roll
				10m	20m	1.75 m roll

MANUFACTURER'S ADVICE

Our thermo films are folded according to the following diagram. This allows you to easily unfold the width of the roll on both sides. If you want to cut your 10 m wide film in 2, you only need to cut the film in the middle to get a perfect 2 x 5 m width.



Accessories on page 66





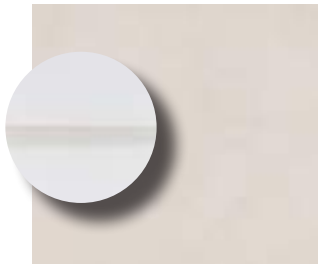
Alphasol 500



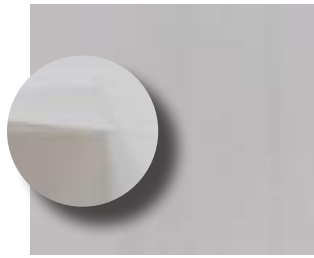
Alphasol 900

FILMS

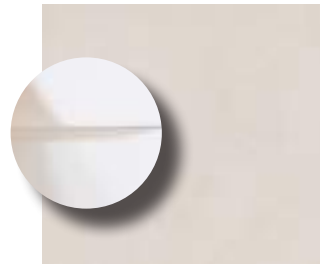
protection and floors



Alphasol 500



Alphasol 500 M1



Alphasol 900



Alphasol 900 M1



Our floor protection films are an economical solution for the protection and containment of construction sites. Our range covers all the needs and economic specificities of your construction sites. Various thicknesses are available.

Armatex 90: will protect your smooth floors with low traffic.

Alphasol: resistant to perforation and suitable for installation on scaffolding platforms.

Product	Weight	Thick-ness	Fire classi-fication	UV treatment	Colour	Width	Length	Pack.
Armatex 90	90g/m ²	/	M4	120 Kly	White/ Translucent	1.5m	50 - 100m	Roll
Alphasol 500	440g/m ²	500μ	M4	120 Kly	Opaque	2m	20m	Roll
Alphasol 500 M1	470g/m ²	500μ	M1	120 Kly	White	2m	20m	Roll
Alphasol 900	850g/m ²	900μ	M4	120 Kly	Opaque	2m	20m	Roll
Alphasol 900 M1	850g/m ²	900μ	M1	120 Kly	White	2m	20m	Roll

MANUFACTURER'S ADVICE

The protective films for Alphasol floors can be glued to position them with Scapa adhesives tapes from the 134 range, just like the heat shrinkable films, because we are using the same polyethylene base. Remember that Scapa 134 range of adhesives have a very strong bonding power and that the easy-to-cut notched outer strip is also UV treated for a good hold during your work.

The Alphasol film must be clean and dry at the time of gluing; once applied, nothing will move.

You can find all our SCAPA adhesives on p. 60.



The puncture resistance test (Dart Test) or a free falling dart impact test is a test of the strength of films (e.g. the strength of a thin layer of plastic). The result of the Dart test for our films (protective films, floor films and thermo films) is available on request. The standard is 300 gr (300 gr weight is required to pierce the film).

ALPHASOL 500

Dart Test on request

ALPHASOL 500 M1

Dart Test on request

ALPHASOL 900

Dart Test on request

Our manufacturer's advice

The best adhesive for thermal applications

NEW SCAPA M1 WHITE ADHESIVE



The white Scapa M1 adhesive is the MUST-have for all your work involving heat shrinking.

First of all, this product has excellent characteristics, both in terms of waterproofing and adhesion. Its many areas of use are proof of its guaranteed quality. Indeed, professionals in the following sectors have complete confidence in this adhesive:

- Aeronautics
- Military
- Construction (reinforcing, holding electrical harnesses, sealing partitions, joints and temporary repairs)



Secondly, this adhesive is safe to use as it is fire retardant and M1 certified. The self-adhesive polyethylene tape with rubber adhesive has been flame retardant throughout to ensure total protection against the risk of fire. This is essential when using an adhesive on heat shrinkable film.

Amongst all these advantages, Scapa M1 White is also comfortable and easy to cut thanks to its polyethylene coated fabric and its reduced thickness of 0.22 mm. Moreover, you will not be disappointed

thanks to its strong tack of 1.9 cm.

Besides, it is 50 m long and available in several widths: 38 mm; 50 mm; 75 mm. Do not hesitate to contact us if you wish to purchase

an adhesive with customised widths.

Please note that this product is delivered in a box of 24 rolls.

After studying the market, we chose Scapa as our main supplier of adhesives. Firstly, because of their extensive experience and knowledge in this sector. Secondly, for the excellent quality of its products. Following tests in our quality laboratory, we can guarantee that we provide you with the best adhesives.

In brief

- This flame retardant adhesive M1 can be safely used for thermal applications
- Highly effective glue which has been adopted by many professionals
- Completely waterproof
- Easy to cut and apply by hand
- Powerful tack 1.9 cm
- Several widths available (38 mm; 50 mm; 75 mm) for a length of 50 m
- Sold in boxes of 24 rolls
- Scapa is the leading company in the manufacture of adhesives

ADHESIVES



Thermo adhesive
Tack 0.4 ou Tack 3.4



Thermo adhesive
M1



Double sided adhesive tape



Glue in a spray can



Whether it is to repair a hole or to fix thermo film, we offer several solutions in terms of adhesives: classic adhesives (Tack 0.4 or tack 3.4 and M1) which are SCAPA brand adhesives, double sided adhesive with high lateral tensile strength and spray adhesive.

Product	Colour	Width	Length	Packing	Information
Thermo Adhesive Range 134 (containment)	White	48mm	33m	Box of 24 rolls	Rolling Ball Tack 0.4 cm
		72mm		Box of 16 rolls	
		96mm		Box of 12 rolls	
		144mm		Box of 8 rolls	
Thermo Adhesive Range 234 (wintering and cocooning)	White	48mm	55m	Box of 24 rolls	Rolling Ball Tack 3.4 cm
		72mm		Box of 16 rolls	
		96mm		Box of 12 rolls	
		144mm		Box of 8 rolls	
Thermo adhesive M1	White	38 - 50 - 75 mm	50m	Box of 24 rolls	Rolling Ball Tack 1.9 cm
Double sided extruded tape	-	19mm	20m	Box of 20 rolls	Thickness 1mm - do not stick to scaffolding
Double sided PVC adhesive tape	White	50mm	50m	Box of 12 rolls	Thickness 0.24mm
Standard adhesive	Orange	50mm	33m	Box of 30 rolls	
Glue in a spray can	-	-	-	Box of 12 rolls	500 ml spray

THERMO

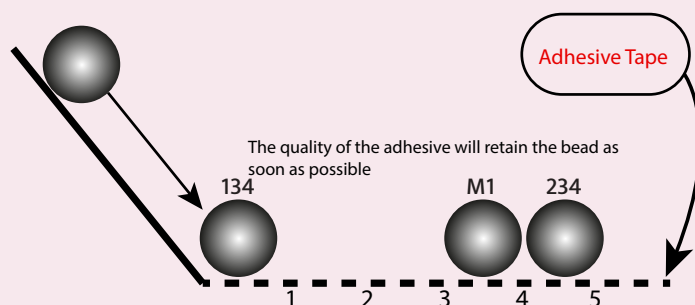
MANUFACTURER'S ADVICE

ROLLING BALL TACK

Standardised test to check the quality of the adhesive's bonding of the sticky part of the adhesive.

The test consists of rolling a ball on an adhesive.

The test is measured in centimetres; the less distance the ball travels, the more adhesive the tape is.



CT 6 standard	Ball Tack in cm	0.4	3.4	4.2
ERA 5004 standard	Elongation at break in %	170	165	183
ERA 5004 standard	Tensile strength in Ncm	38.6	36.3	29.2

Our manufacturer's advice

Which heat gun to choose?



The Hornet & Wizz heat gun and extensions are the key to easy, fast and efficient shrink film application. A high quality gun is essential for optimal shrinking. The lance makes it possible to heat up large, hard-to-reach areas more quickly. Find out which shrink guns Alphatex recommends.

The best shrink guns on the market are the Hornet and Wizz torches. These torches offer uniform heating, which allows for excellent shrinkage of the heat shrinkable film. The models you will find in our catalogue are the ideal solutions for:

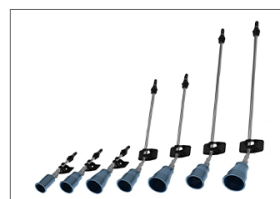
- Packaging
- Containment of works on scaffolding
- Cocooning of boats, for winter storage



Hornet gun, for welding



Wizz torch, for film shrinking



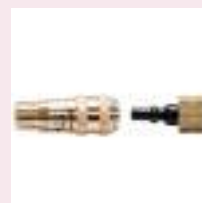
Lance and extensions

DISCOVER THE COMBO PACK

This case is a real Swiss Army knife for the operator. It can be used on wintering, logistics, palletizing or scaffolding sites. This set is ready to use. Everything will be delivered in a suitcase, which makes it possible to transport all these accessories everywhere.

In this pack you will find:

- Hornet handle
- Hornet Lance 90 kW, flame length 35 cm
- Wizz Lance 100 kW, flame length 80 cm
- A piezo with its trigger
- One quick coupling
- 10 m of hose to connect the gun to the gas cylinder



WHY USE A LANCE?

Lances, also known as extensions, increase the operator's reach and the size of the flame. With these accessories, installers will gain a lot of speed and, consequently, productivity.

GUN AND TORCH



RAFALE 4065 GUN

Practicality: thanks to its folding fixing hook, it can be quickly placed on the workstation.

Safety: no risk of burning, the nozzle is made of aluminium and surrounded by a double protection. **Performance:** 2 powers to adapt to the most demanding environments.

- Propane energy
- 10m hose ISO 3821
- Quick coupling
- Safety regulator

Product	Power	Information
Rafale 4065 gun	65 kW	Sold with its case



RIPACK GUN

Practicality: hanging ring on the top.

Safety: no risk of burning thanks to its nozzle which remains cold.

Performance: With its adjustable power, it is suitable for intensive use.

- Propane energy
- 8 metre hose with crimped connection

Product	Power	Information
Ripack 3000 gun	45 to 80 kW	Sold with its case



HORNET TORCH

- Power: 90 kW: ideal for films from 200μ to 300μ
- Patented burner (with COANDA effect) unique in our industry
- Weight with handle: about 600g
- Easy to handle and very precise



Product	Power	Information
Hornet gun	70 KW or 90 KW	Sold with its case
Lance for Hornet gun	-	Length 1200mm



TORCH WIZZ

Synchronised ignition - No pilot light - Dead man's handle.

One-handed flame adjustment - Lances optimised for the HORNET shrink gun range - 1 second assembly by bayonet.

- 3 power ranges from 50 kW to 150 kW



Product	Power	Information
Wizz Thermo Torch	150 kW	Sold with its case
Wizz Titanium Lance Extension for Hornet	-	Length 1300mm



COMBO HORNET AND WIZZ

With this combination of the Hornet handle, a 90 kW Hornet lance and a 100 kW Wizz lance, it is a real "Swiss Army knife" available to the operator who wishes to intervene in wintering, logistics or palletising.

Product	Power	Information
Hornet and Wizz Combo	90 - 100 kW	Sold with its case

ACCESSORIES

for heat shrinkable film application



Omega clips



Strap



Strap

Product	Dim.	Weight	Information
Omega clips	Diam. 45mm	0,03kg	For positioning and holding the film on the scaffolding tubes. Sold by 50 or 500 pieces.
Strap	25mm x 500m	4,9kg	Box of 2 pcs.
	19mm x 600m	6kg	



Alphabulle



U-shaped PVC door



Transparent U-shaped window



PVC Zip

Product	Dimensions	Weight
Alphabulle	45 x 45 x 20cm	0,9kg
U-shaped PVC door	1,2 x 2m	1,8kg
U-shaped PVC window	0,6 x 1,2m	0,580kg
Transparent U-shaped window	0,6 x 1,2m	1kg
PVC Zip	2m	0,2kg
	3m	0,350kg
	4m	0,410kg



**PROTECTIVE SHELL
ROSETTE AND COLLAR**
Clips directly onto the tubes.



TUBE CAP
Sold by 40 pieces.



SEALING BAR
Aluminium sealing bar with single clip. Sealing groove supplied with rod and PVC key.
Dimensions: 0.25 x 2.5m.
Sold by one piece.



THERMO GLOVES
Welding gloves used when heating the heat shrinkable film.



VENTILATION GRID
Ventilator for thermo packaging



METER
Width: 25mm. Length: 8 m



CUTTER
Special thermo curved blade cutter.



Transparent U-shaped window and U-shaped door

Alphabulle



Training

We offer 2 services with a trainer who is above all a professional in the application of heat shrinkable film:

PERSONALISED TRAINING ACCORDING TO YOUR TRADE, QUALIOPAI APPROVED SITE ASSISTANCE TO ACCOMPANY YOU ON YOUR SITES

TRAINING

- 1. SCAFFOLDING CONTAINMENT: BE ABLE TO APPLY HEAT SHRINKABLE FILM TO SCAFFOLDING**
- 2. INTERIOR/EXTERIOR PROTECTION: BE ABLE TO APPLY HEAT SHRINKABLE FILM FOR PACKAGING / WINTERING**

We offer several training formulas according to your needs with professionals in heat shrinkable film containment who are still active in this sector.

The training courses are divided into two phases:

- **a theoretical approach** (Characteristics - Fabrications - CSTB Classification standards)
- **a practical approach** (Cutting, Fixing and Welding of the film, tensioning, fitting the film to tiles, fitting Zips and Windows...)

We offer product training kits according to your field of application.

SITE ASSISTANCE

Our trainers offer a site assistance service and put their experience at your service.. This service is recommended when:

You have just been trained and you are starting your first project, our trainer will come and support your teams and help you to prepare the needs of the project beforehand.

You are facing a technically exceptional site (and you feel that your teams do not have sufficient know-how); the trainer will come to help you prepare the site and work with your teams in the field.



“SCAFFOLDING CONTAINMENT: be able to apply heat shrinkable film to scaffolding” **Training content**

Our Thermo training course aims to give you all the keys and skills to carry out a containment project on scaffolding, using heat shrinkable film. You will have the opportunity to practice all the steps of the installation, from the setting up of the site to the installation of the accessories. In a few words, discover here the content of the training.

PRESENTATION OF THE EQUIPMENT USED

First, the trainer presents the equipment used on a construction site. You will find the shrink guns, the lances and extensions, the hose, the quick coupling, etc. Thanks to the advice of our expert, you will know how to work efficiently and safely with this equipment.

SETTING UP THE SITE

Teams learn how to set up a site to lay heat shrinkable film, how to make an unwinder to easily unroll and move the roll, how to optimise the use of the film to reduce losses.



MAKING A ROOF OUT OF HEAT-SHRINK FILM

The future operators take part in the production of a heat shrinkable film roof. The programme includes fitting the straps, protecting against the dirty parts, welding the flaps and applying the film.

WELDING THE FLAPS

One of the most technical aspects of the installation: welding the flaps. Our trainer passes on his expertise so that the teams can perfectly master this delicate action.

FILM SHRINKING WITH A LANCE

The teams shrink the film, equipped with the gun and the lance. Each operator learns the movement to be made and the heating time required for optimal shrinkage.

INSTALLATION OF ACCESSORIES

Finally, the trainer explains the advantages of all the accessories offered by Alphatex: rosette and collar protection shell, transparent or white U-shaped window, Alphabulle or the U-shaped door. He then guides the teams through the installation of these different elements.



TIPS AND ADVICE

From start to finish, our trainer shares his tips and experience to answer all your teams' questions. Your team will have all the knowledge they need to carry out projects requiring the installation of heat shrinkable film.



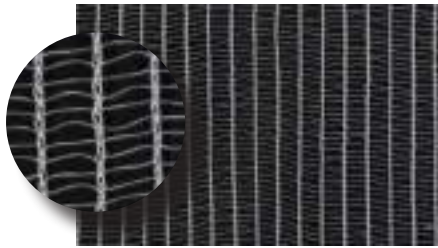
PROTECTIVE NETTING

- **Underside**
- **Protective nets**
 - Wired knotted polyamide
 - Braided polyamide
 - Wired knotted polyethylene
 - Braided polyethylene



Gravel netting with Consorex underside

UNDERSIDE NETTINGS AND FILMS



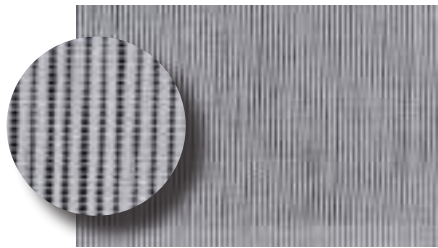
Consorex 50g/m²



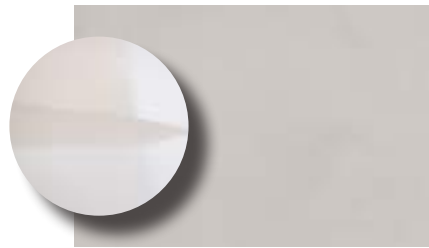
Longorex 100g/m²



Alphaombre 55 150g/m²



Editis 130g/m²



Flexible film 200µ



Find our selection of films and nets to be sewn on the underside of mesh nets as a gravel barrier. We make your nets to measure according to your needs on your site.

Product	Weight	Mesh	Blockage	Windbreak	Resistance	Treat. UV	Colour	Fire treatment
Consorex	50g/m ²	Rectang. 2.3x7mm	20%	25%	350 kg/m ²	120 Kly	White - blue - green - yellow - red	M4
Longorex	100g/m ²	Rectang. 2x4mm	45%	45%	730 kg/m ²	120 Kly	White - blue - green/black	M4 - M1
Alphaombre	150g/m ²	Rectang. 1.7x2mm	65%	65%	1050 kg/m ²	320 Kly	Green/Black	M4
Editis	130g/m ²	Woven	90%	75%	longitudinale 19 kN/m transverse 15 kN/m	120 Kly	White - green	M4 - M1
Flexible film 200µ	/	/	100%	100%	longitudinale 97,9 N transverse 108 N	None	White-translucent	M4 - M1



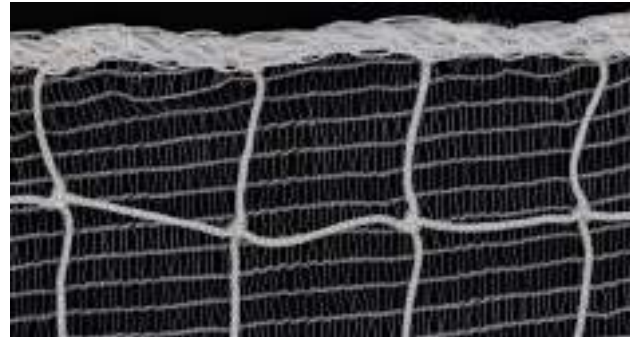
Consorex 50g/m² underside



Consorex 50g/m² underside and flexible film

Our manufacturer's advice

Net guide



The range of protective nets covers many areas of application, these nets are mainly made to measure to protect the facades of buildings from falling elements. The main players in the installation of this type of net are companies working at height. However, safety nettings can be used in many other applications such as:

- Protection of personnel on a building site
- Windbreak for heat shrinkable film containment
- Fencing between 2 spaces or behind racks

WHAT ARE THE DIFFERENT TYPES OF NETTING FOR FAÇADE PROTECTION?

There are 2 main types of netting

- wired knotted netting
- braided knotted netting

In each family, there are 2 types of material

- polyethylene (HDPE)
- polyamide (PA)

WHAT ARE THE DIFFERENCES BETWEEN PA AND HDPE NETS?

HDPE nets have a better UV resistance than polyamide nets (PA or Nylon which have a better mechanical resistance to abrasion). HDPE nets do not retain water (naturally water-repellent products), unlike PA nets which become heavy when it rains (non-water-repellent).
More information on material differences on p. 80.



FROM DIAMOND MESH TO SQUARE MESH...

All mesh nets are produced on our machines in diamond mesh. To obtain a square mesh net, the nets must be reworked in our workshops.

WHY KNOTTED NETS? (WIRED OR BRAIDED)

2 major advantages of knotted nettings:

- the knot stops the net fraying if a mesh is cut.
- the knot allows you to join two nets together to create a large custom-made sheet without the link being visible.

All the knots of our nets are tightened in autoclave in order to be fixed. You can see the quality of the workmanship of a net by the alignment of the knots on a diamond knitted net.

BRAIDED OR WIRED

You can also opt for different types of construction. Braided or wired yarn.



WHAT IS THE DIFFERENCE BETWEEN AN OVERLOCK AND A BOLT ROPE?

An overlock is a seam made around the edge of the net and is made exclusively on square mesh.

A bolt rope is a loose rope passed between the meshes of the net. It can be done on diamond mesh as well as square mesh.



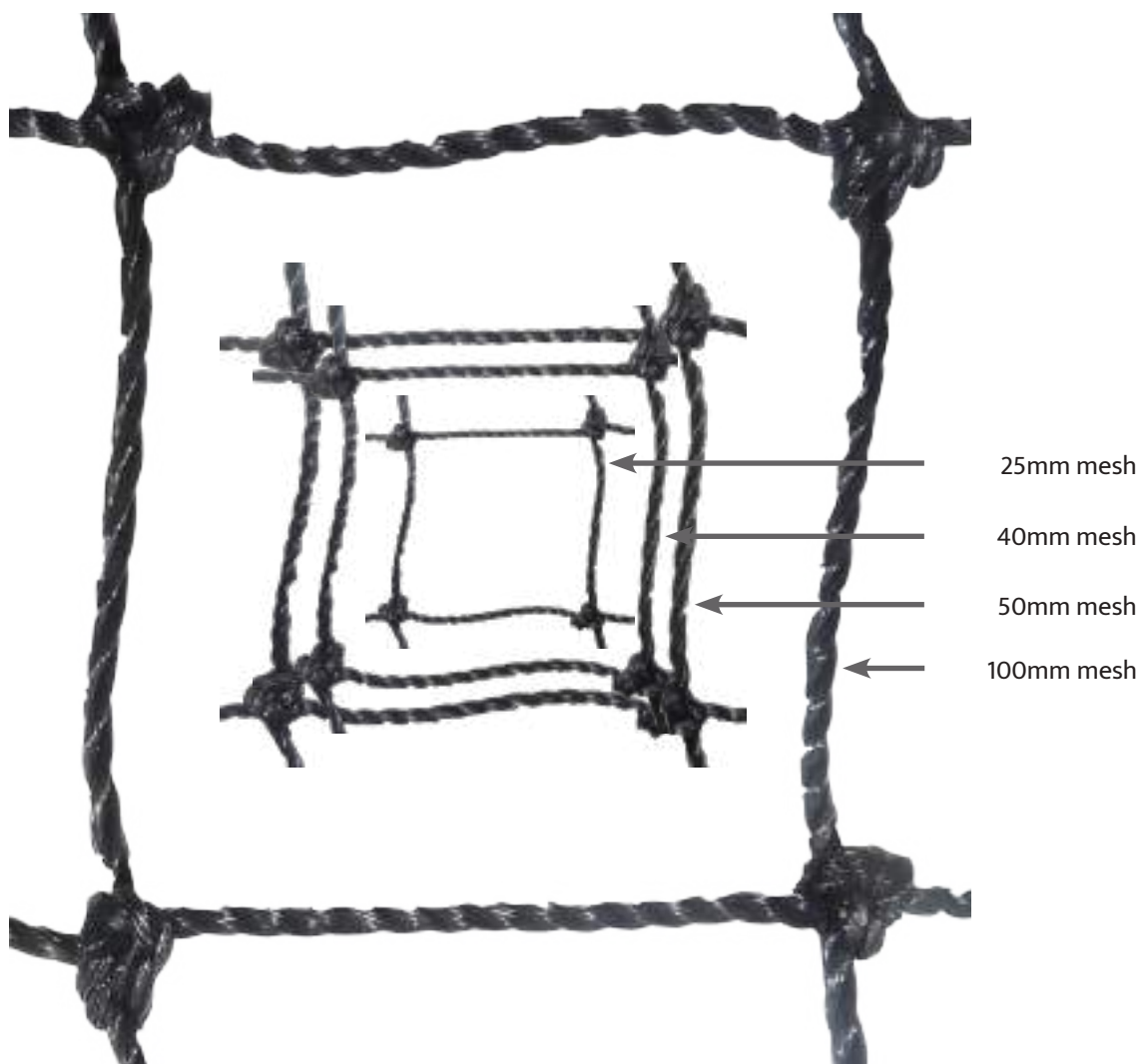
Overlock



Bolt rope

DIMENSIONS OF OUR MESHES

Our nets are available in different mesh sizes depending on the material. Below you will find the most common mesh sizes in actual size.



Find all our tips, video tutorials and manufacturer information on our blog at:
<https://www.alphatex.eu/le-blog-alphatex/>

POLYAMIDE NETS

knotted braided



3 mm braided knotted PA



knotted braided PA netting with underside

PA

Our knotted braided polyamide nets are specific nets for façade protection. The construction, the material and the diameter of the thread allow a high resistance of the net, in particular in case of retention of heavy elements.

ATTENTION, the 100 mm mesh in 4.75 mm of this range is intended for the retention of rubble and cannot be used as a anti-fall protection net as it does not benefit from the appropriate standard.

Mesh	Weight	Yarn diameter	Colour	Maximum Theoretical Load	Maximum Breaking Load	Maximum Working Load
25mm	245g/m ²	2mm	White	7526 kg/m ²	3763 kg/m ²	376 kg/m ²
40mm	255g/m ²	3mm	White	9408 kg/m ²	4704 kg/m ²	470 kg/m ²
50mm	100g/m ²	2mm	White	3763 kg/m ²	1882 kg/m ²	188 kg/m ²
50mm	195g/m ²	3mm	White	7526 kg/m ²	3763 kg/m ²	376 kg/m ²
100mm	85g/m ²	3mm	White	3763 kg/m ²	1882 kg/m ²	188 kg/m ²
100mm	180g/m ²	4.75mm	White	7056 kg/m ²	3528 kg/m ²	353 kg/m ²

TECHNICAL DATA

Material	: 100% polyamide, virgin resin
Toughness	: 7 gr/denier per monofil
Melting point	: 260°C
Softening point	: 235 / 240°C
Flame retardant indoor use	: Possibility of fireproofing by soaking bath by a third party company for indoor use
Manufacturing	: knotted braided
Finish	: Bolt role, overlock or doubled with a gravel barrier net



POLYAMIDE NETS

knotted braided



2 mm wired knotted PA



wired knotted PA netting with underside

PA

Wired knotted PA netting is a specificity of Alphatex for the manufacture of made-to-measure facade protection netting.

Mesh	Weight	Yarn diameter	Colour	Maximum Theoretical Load	Maximum Breaking Load	Maximum Working Load
25mm	180g/m ²	2mm	White	6350 kg/m ²	3175 kg/m ²	318 kg/m ²
48mm	102g/m ²	2.5mm	White	4043 kg/m ²	2021 kg/m ²	202 kg/m ²
48mm	141g/m ²	3mm	White - Green/Black	5145 kg/m ²	2573 kg/m ²	257 kg/m ²
100mm	59g/m ²	3mm	White	2470 kg/m ²	1235 kg/m ²	123 kg/m ²

TECHNICAL DATA

Material	: 100% polyamide, virgin resin
Toughness	: 7 g/denier per monofil
Melting point	: 260°C
Softening point	: 235 / 240°C
Flame retardant indoor use	: Possibility of fireproofing by soaking bath by a third party company for indoor use
Manufacturing Finish	: Wired knotted : Bolt role, overlock or doubled with a gravel barrier net



POLYETHYLENE NETTING

knotted braided



3 mm braided knotted PE



4 mm braided knotted PE



320Kly

This range with large braid diameters is designed for facade protection for the retention of very heavy elements; its colour and high UV resistance also make it an ideal net for the covering of modern glazed buildings as there are no excessively abrasive corners to cover. These nets are not covered by the NF-EN1263-1 standard for anti-fall protection.

Mesh	Weight	Yarn diameter	Titration	Colour	Maximum Theoretical Load	Maximum Breaking Load	Maximum Working Load
35mm	285g/m ²	3mm	330m/kg	Dark Green	7543 kg/m ²	3771 kg/m ²	377 kg/m ²
48mm	175g/m ²	3mm	330m/kg	Dark Green - white	5500 kg/m ²	2750 kg/m ²	275 kg/m ²
48mm M1	175g/m ²	3mm	330m/kg	White with red core	5500 kg/m ²	2750 kg/m ²	275 kg/m ²
48mm	230g/m ²	3.5mm	280m/kg	Black - white	7838 kg/m ²	3919 kg/m ²	391 kg/m ²
48mm	375g/m ²	4mm	190m/kg	Dark Green	10560 kg/m ²	5280 kg/m ²	528 kg/m ²
100mm	74g/m ²	3mm	330m/kg	Dark Green - white	2640 kg/m ²	1320 kg/m ²	132 kg/m ²
100mm M1	74g/m ²	3mm	330m/kg	White with red core	2640 kg/m ²	1320 kg/m ²	132 kg/m ²
100mm	95g/m ²	3.5mm	280m/kg	Black	3762 kg/m ²	1881 kg/m ²	188 kg/m ²
100mm	137g/m ²	4mm	190m/kg	Aqua green - white	5280 kg/m ²	2640 kg/m ²	264 kg/m ²
120mm	58g/m ²	3mm	330m/kg	Dark Green	2200 kg/m ²	1100 kg/m ²	110 kg/m ²
120mm	71g/m ²	3.5mm	280m/kg	Black	3135 kg/m ²	1568 kg/m ²	157 kg/m ²
120mm	109g/m ²	4mm	190m/kg	Aqua green	4400 kg/m ²	2200 kg/m ²	220 kg/m ²
145mm	46g/m ²	3mm	330m/kg	Dark Green - white	1821 kg/m ²	910 kg/m ²	91 kg/m ²
145mm	59g/m ²	3.5mm	280m/kg	Black - white	2594 kg/m ²	1297 kg/m ²	130 kg/m ²
145mm	75g/m ²	4mm	190m/kg	Black - white	3641 kg/m ²	1821 kg/m ²	182 kg/m ²

TECHNICAL DATA

Material	: 100% polyamide, virgin resin
Toughness	: 7 gr/denier per monofil
Melting point	: 260°C
Softening point	: 235 / 240°C
Flame retardant indoor use	: Possibility of fireproofing by soaking bath by a third party company for indoor use
Manufacturing	: knotted braided
Finish	: Bolt role, overlock or doubled with a gravel barrier net

POLYETHYLENE NETTING

knotted braided



2 mm wired knotted PE



2.5 mm wired knotted PE



This range with large braid diameters is designed for facade protection for the retention of very heavy elements; its colour and high UV resistance also make it an ideal net for the covering of modern glazed buildings as there are no excessively abrasive corners to cover.



320Kly

These nets are not covered by the NF-EN1263-1 standard for anti-fall protection.

Mesh	Weight	Yarn diameter	Titration	Colour	Maximum Theoretical Load	Maximum Breaking Load	Maximum Working Load
25mm	175g/m ²	1.8mm	650m/kg	Black	5016 kg/m ²	2508 kg/m ²	251 kg/m ²
25mm	240g/m ²	2mm	600m/kg	Dark Green	6336 kg/m ²	3168 kg/m ²	317 kg/m ²
48mm	110g/m ²	2mm	540m/kg	Black	3713 kg/m ²	1856 kg/m ²	186 kg/m ²
48mm	162g/m ²	2.5mm	450m/kg	Black - green	4950 kg/m ²	2475 kg/m ²	248 kg/m ²
50mm	70g/m ²	1.8mm	650m/kg	Black	2508 kg/m ²	1254 kg/m ²	125 kg/m ²
100mm	47g/m ²	2mm	540m/kg	Black	1782 kg/m ²	891 kg/m ²	89 kg/m ²
100mm	65g/m ²	2.5mm	450m/kg	Black - green	2376 kg/m ²	1188 kg/m ²	119 kg/m ²

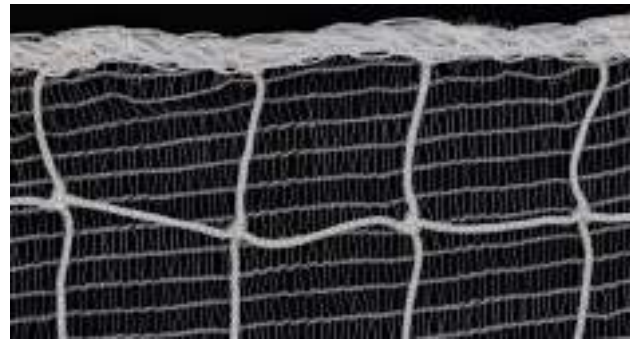
TECHNICAL DATA

Material	: High density polyethylene 100%, virgin resin
Toughness	: 5.5gr/denier per monofil
Melting point	: 130°C
Softening point	: 120°C
Flame retardant indoor use	: Possibility in the mass according to quantities. Consult us.
Manufacturing	: Wired knotted
Finish	: Bolt role, overlock or doubled with a gravel barrier net



Our manufacturer's advice

Material guide



Anti-fall protection nets are mainly made of 2 materials: polyamide and polypropylene. These are two flexible materials that are more suitable for a anti-fall use in terms of comfort than polyethylene which is a stiffer material. The EN-1263-1 standard does not impose any material.

Polyethylene is known in the rope world for its bird nets; these stiffer looking nets are known for their long life. Polyamide is known for its softness - its name is Nylon - and it is a material that we find in our clothes. Polyamide absorbs water, gets dirty quickly, and does not have a high UV resistance. In anti-fall protection it is limited to 41.75 months.

Polyethylene is more rigid and therefore less resistant to abrasion over time than polyamide, but it is water repellent, rot-proof and can be UV treated for a longer life than nylon.

The market usually offers polyamide facade protection nets; they are the lighter "offspring" of anti-fall protection nets.

However, Alphatex would like to promote facade protection nets made of HDPE (High Density Polyethylene). We offer a wide range of black mesh from 25mm to 145mm to hold all weights and especially to blend in more on modern buildings with glazed or dark facings. We also have HDPE netting in 3mm braid, 48mm or 100mm mesh which accounts for the vast majority of requests.



CHARACTERISTICS OF POLYAMIDE PA

- Hydrophilic, the braid or wire that makes up the net absorbs the water that weighs down the sheets.
- Polyamide, also called nylon, is a flexible material that is easy to handle.
- Good resistance to friction and abrasion
- Heat resistant, softening point 230/240°C and melting point 260°C
- Frost resistant up to -40°C
- Moderate UV resistance



CHARACTERISTICS OF POLYETHYLENE PE

- The netting is water repellent, so it doesn't retain water, become heavy and deform.
- Rigidity gives the net strength.
- It's impact resistant and has a low coefficient of friction.
- It's freeze resistant to -40°C.
- It's eat resistant, softening point +120°C, melting point +130°C.
- UV treatment, stabilisation by the Ciba Ceigy process.





PEST CONTROL

- **Bird netting**
 - Sparrow netting
 - Starling netting
 - Pigeon netting
- **Pics anti-pigeons**
 - Alphapic
 - Easy spike
 - Gutter clips
- **Protection under tiles and sheet metal**
- **Protection for gutters**
- **Accessories**



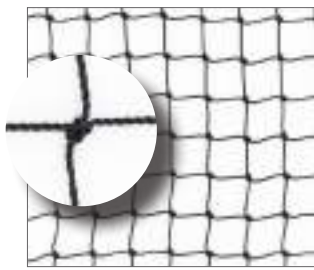
Sparrow netting Stone



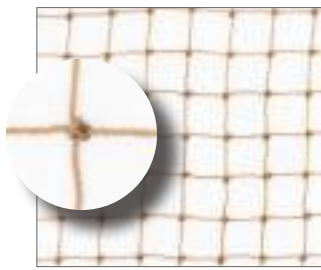
Sparrow netting Translucent

SPARROW NETTING

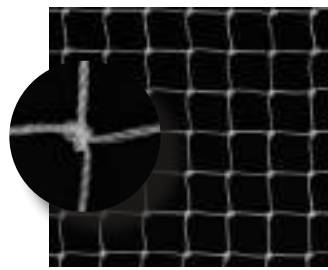
19 mm mesh



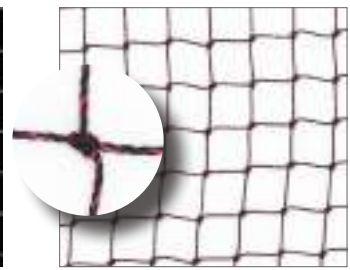
Black



Stone



Translucent



M1 / Black-red



320Kly

1000kg/m²

Available in M1

Our range of 19mm mesh sparrow nets is available in a variety of colours. It also includes fireproof nets classified M1. On request, we can add an overlock which is not present on standard nets as it is not useful in anti-bird applications. The knots of the nets are fixed in autoclave so they do not untie when cut. All our nets are also available in diamond mesh and at often lower prices (possibility of tying up).

Product	Mesh	Yarn diameter	Colour	Manufacturing	Weight	Width	Length
Wired knotted HDPE netting	19mm	1mm	Black	Wired knotted - Square mesh	72 g/m ²	5m	5 - 10 - 15 - 20 - 25 - 30 - 100m - free
						10m	10 - 15 - 20 - 25 - 30 - 40 - 100m - free
						15m	15 - 20m
						20m	20m - free
						30m	free
						free	
						7.65m	7.65 - 15.25 - 22.85 - 30.50m
			15.25m			15.25 - 22.90 - 30.50m	
			30.50m			30.50m	
			5m			5 - 10 - 15m - free	
			10m			10 - 15 - 20m	
			15m			15m - free	
			20m			20m - free	
			7.65m			7.65 - 15.25 - 22.85 - 30.50m	
			15.25m			15.25 - 22.90 - 30.50m	
30.50m	30.50m						
free	free						
5 - 10m	10m						
7.65m	7.65 - 15.25 - 22.85 - 30.50m						
15.25m	15.25 - 22.90 - 30.50m						
30.50m	30.50m						
free	free						
Wired knotted HDPE netting M1	19mm	1mm	Black/red	Wired knotted - Square mesh	72 g/m ²	5m	5m
						10m	10m
						20m	20m



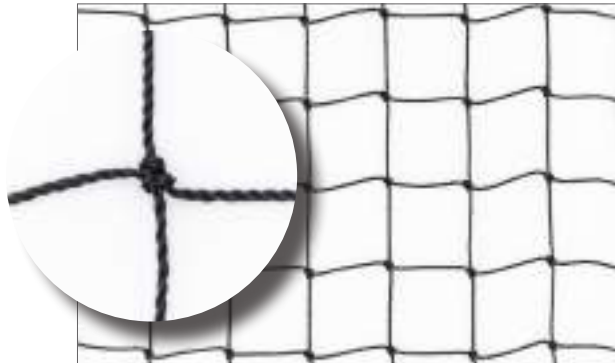
Starling netting Black



Starling netting Black

STARLING NETS

28 MM MESH



Black



Stone



320Kly

707kg/m²

Available in M1

The 28 mm mesh anti bird nettings are also available in several colours. On request, we can add an overlock which is not present on standard nets as it is not useful in anti-bird applications. The knots of the nets are fixed in autoclave so they do not untie when cut. All our nets are also available in diamond mesh and at often lower prices (possibility of tying up).

Product	Mesh	Yarn diameter	Colour	Manufacturing	Weight	Width	Length
Wired knotted HDPE netting	28mm	1mm	Black	Wired knotted - Square mesh	43 g/m ²	5m	5m - free
						10m	10m - free
						15m	15m
						20m	20m - free
						free	free
			Stone			5m	5m - free
						10m	10m - free
						15m	15m
						20m	20m - free
						free	free
Translucent	5m	5m - free					
	10m	10m - free					
	20m	20m - free					
Wired knotted HDPE netting M1	28mm	1mm	Ivory	Wired knotted - Square mesh	43 g/m ²	5.1m	5.1m
						5.1m	10.1m

Accessories on page 98





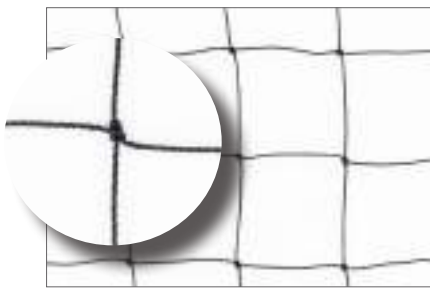
Pigeon netting Black



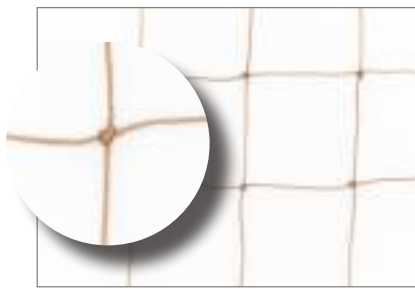
Pigeon netting Stone

PIGEON NETTING

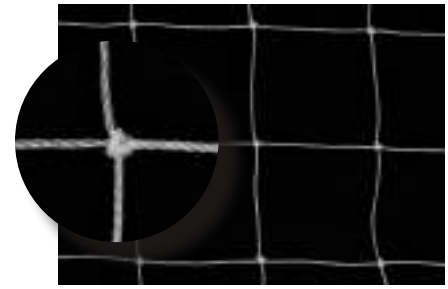
50 MM MESH



Black



Pierre



Translucent



320Kly



396kg/m²



Available in M1

Our 50mm pigeon netting is available in various colours, mainly in polyethylene but also in polyamide (Nylon). The fireproof version is self-certified on the basis of the 19 mm mesh, as the 50 mm mesh is outside the scope of the fire regulations. On request, we can add an overlock which is not present on standard nets as it is not useful in anti-bird applications. The knots of the nets are fixed in autoclave so they do not untie when cut. Also available in diamond mesh with the possibility of adding a bolt rape.

Product	Mesh	Yarn diameter	Colour	Manufacturing	Weight	Width	Length
Wired knotted HDPE netting	50mm	1mm	Black - Stone	Wired knotted - Square mesh	21 g/m ²	5m	5 - 10 - 15 - 20m - free
						10m	10 - 15 - 20m - free
						15m	15 - 20m
						20m	20m - free
						libre	free
						7.65m	7.65 - 15.25 - 22.90 - 30.50m
						15.25m	15.25 - 22.90 - 30.50m
			30.50m			30.50m	
			Translucent			5m	5 - 10 - 15m - free
						10m	10 - 15 - 20m - free
						20m	20m - free
						7.65m	7.65 - 15.25 - 22.90 - 30.50m
						15.25m	15.25 - 30.50m
						30.50m	30.50m
free	free						
Wired knotted HDPE netting M1	50mm	1mm	Black/red	Wired knotted - Square mesh	21 g/m ²	5m	5m
						10m	10m
						20m	20m
NYLON wired knotted netting (indoor or UV protected use)	50mm	0.60mm	Translucent	Wired knotted - Square mesh	17g/m ²	5m	5m
						10m	10m

Accessories on page 98





Alphapic 64/10



Alphapic 64/20



Alphapic 80/20



Alphapic in window sills

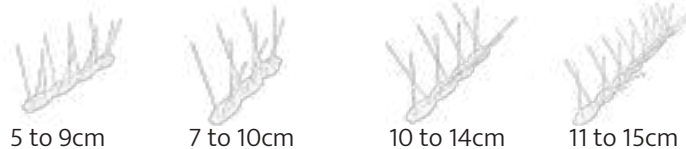
PIGEON SPIKES Alphapic

Our Alphapic range of anti-pigeon spikes is characterised by its wide and honeycombed base (for a better glue setting) in anti-UV treated polycarbonate. The pins are made of stainless steel AISI 302 of Ø 13mm in accordance with AFNOR X10CRNI18-8, Iso 527, Iso 178 and Iso 306 standards. Our 50 cm modules can be cut by hand.



LIGHT ALPHAPIC

48 SPIKES

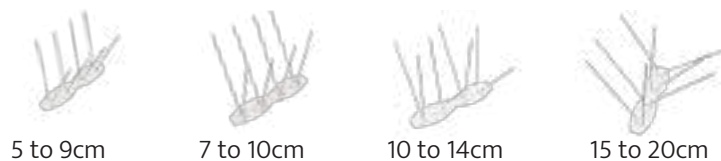


Product	Protection width	Applications	Packing
Alphapic 48/5	5 to 9cm	Cornice	Box of 50ml
Alphapic 48/7	7 to 10cm	Cornice - Downspout	Box of 50ml
Alphapic 48/10	10 to 14cm	Window sill - Strip	Box of 50ml
Alphapic 48/15	11 to 15cm	Strip < 15cm	Box of 50ml

2 insoles of 50 cm per meter - 48 spikes per ml

CLASSIC ALPHAPIC

64 spikes



Product	Protection width	Applications	Packing
Alphapic 64/7	5 to 9cm	Downspout - Guard rail - Cornice	Box of 50ml
Alphapic 64/10	7 to 10cm	Strip - Cornice - Window sill	Box of 50ml
Alphapic 64/15	10 to 14cm	Strip < 15cm - Cornice	Box of 50ml
Alphapic 64/20	11 to 15cm	Large cornice - Perimeter of roof terrace	Box of 50ml

2 insoles of 50 cm per meter - 64 spikes per ml

ALPHAPIC DELUXE

80 spikes



Product	Protection width	Applications	Packing
Alphapic 80/20	15 to 20cm	Large cornice - Perimeter of roof terrace - Gulls	Box of 50ml

2 insoles of 50 cm per meter - 80 spikes per ml



Easy spike 64/15



Easy spike 64/15



Easy spike 64/10

PIGEON SPIKES

Easy spikes

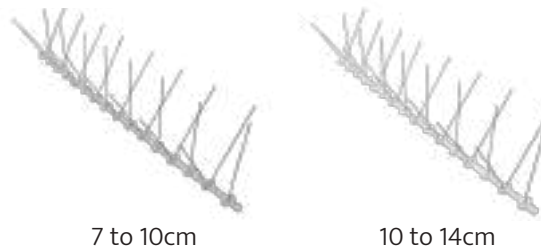
Our Easy Spike range of pigeon control spikes feature a thin, ultra flexible insole, suitable for narrow edges. Another advantage is the reduced packaging on some models as the spikes can be stacked up to 10lm strips.

The insole is made of UV-resistant polycarbonate. The pins are made of stainless steel AISI 302 of \varnothing 13 mm in accordance with AFNOR X10CRNI18-8, Iso 527, Iso 178 and Iso 306 standards.



LIGHT EASY SPIKE

48 spikes

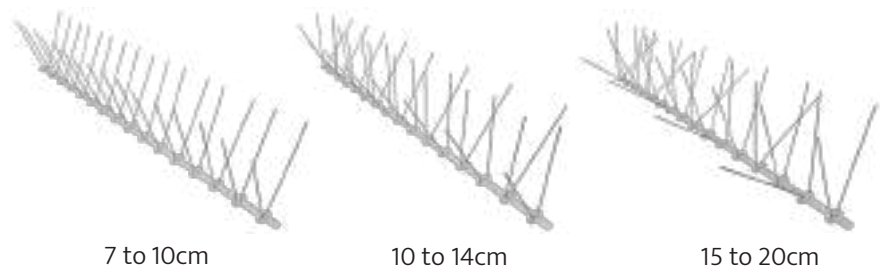


Product	Protection width	Applications	Packing
Easy spike 48/7	7 to 10cm	Strip - Cornice - Window sill	Box of 50 ml - Box of 10 ml
Easy spike 48/10	10 to 14cm	Strip < 15cm - Cornice	Box of 50 ml - Box of 10 ml

2 insoles of 50cm per metre - 48 spikes per ml - stackable for easy packaging

CLASSIC EASY SPIKE

64 spikes

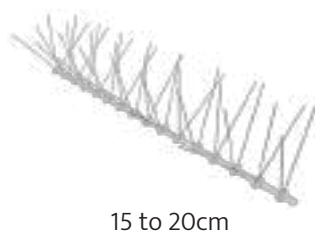


Product	Protection width	Applications	Packing
Easy spike 64/10	7 to 10cm	Strip - Cornice - Window sill	Box of 50 ml - Box of 10 ml
Easy spike 64/15	10 to 14cm	Strip < 15cm - Cornice	Box of 50 ml - Box of 10 ml
Easy spike 64/20	15 to 20cm	Large cornice - Perimeter of roof terrace	Box of 50ml

2 insoles of 50 cm per metre - 64 spikes per ml - Easy spike 64/10 is stackable

EASY SPIKE DELUXE

80 spikes



Product	Protection width	Applications	Packing
Easyspike 80/20	15 to 20cm	Large cornice - Perimeter of roof terrace	Box of 50ml

2 insoles of 50 cm per meter - 80 spikes per ml

Our manufacturer's advice



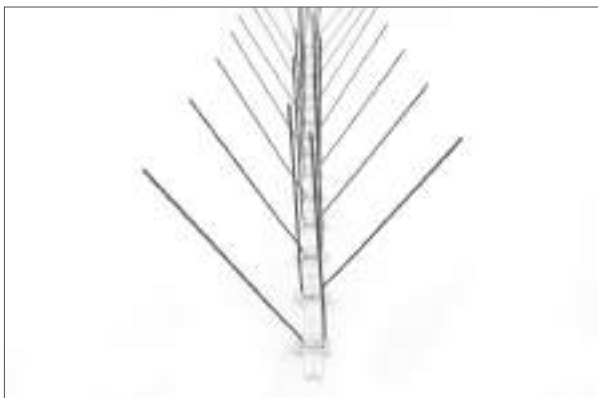
Pigeon spikes

Spikes are made of metal rods fixed perpendicularly to a support.

Simple to install and inexpensive, the spikes must be installed over the entire area to be protected to prevent the bird from finding a gap. It is possible to obtain the insoles of the spikes in the colour of your choice, for a minimum production of 800 lm (whatever the spike model).

TECHNICAL DATA

Whether it is for Alphapic or Easy spikes, our spikes are made of a polycarbonate base with anti-UV treatment, applicable on all surfaces and AISI 302 stainless steel pins of 0.13. Our spikes comply with AFNOR X10CRNI18-8, Iso 527, Iso 178, Iso 306* standards.



- Tensile strength: 26 N/mm²
- Elongation at break: 250 N/mm²
- Flexural strength: 40 N/mm²
- Bending modulus: 1450 N/mm²
- Ball indentation hardness H132/30: 40 N/mm²
- Softening temperature: 83°C vst/A/50
- Thermal conductivity: 0.12 W/m.K
- Heat deflection: 75°C

ADVICE FOR INSTALLATION WITH SILICONE GLUE

The spikes are fixed by gluing with neutral silicone mastic, in 300 ml cartridges, which can glue 10 to 12 linear metres of spikes depending on the support. This action must always take place on a dry, dust-free, solvent-free substrate, with application temperatures between + 5°C and + 40°C and service temperatures ranging from - 50°C to + 120°C. If the substrate cannot be cleaned, the polycarbonate base of the spike is designed for fixing with screws or nails.



Always apply a wave-shaped bead of adhesive, at least 0.5 mm thick, to the base of the pick. Never apply a long bead of glue of more than one metre in advance to the surface to be protected (cornice, fascia etc.) as this could lead to a rapid polymerisation of the surface before the base comes into contact with it, which would result in the spike not adhering properly to the glue. Complete drying between 5 and 8 hours. For any application on a wet surface the use of a special fast curing adhesive is necessary (MS Polymer).

ADVICE FOR FITTING STAINLESS STEEL ALPHACLIPS

The Alphaclip Inox is inserted into the base of the Alphapic or Easy Spike. You need 2 Alphaclip Inox per 50 cm spike module, i.e. 4 clips per metre. The clip is fixed directly to the gutter by simply pressing on the hem (0 from 15 to 25mm). This system discourages pigeons from landing inside the gutter.

PACKS



10 ml pack with glue

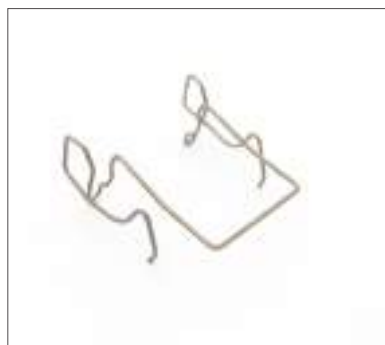


1 ml pack to assemble yourself

For distributors and retailers, Alhatex can customise your packaging and offer you ready-to-use packs of spikes.

Product	Protection	Applications	Packing
Packs Alphapic 64/7	5 to 9 cm	Downspout - Guard rail - Cornice	Box of 10 ml + 1 tube of glue
Packs Alphapic 64/10	7 to 10 cm	Strip - Cornice - Window sill	Box of 10 ml + 1 tube of glue
Packs Alphapic 64/15	10 to 14 cm	Strip < 15cm - Cornice	Box of 10 ml + 1 tube of glue
Packs Alphapic 64/20	15 to 20 cm	Large cornice - Perimeter of roof terrace	Box of 10 ml + 1 tube of glue
Packs Alphapic 64/10 à monter soi-même	7 to 10 cm	Strip - Cornice - Window sill	Sold by 1 ml

ALPHA CLIP



Alphapic and Easyspike compatible



Alphapic compatible

Alphaclip is an Alhatex innovation that allows all our spike models to be installed very quickly, thus saving time. No need for glue, no need for tools, no need for screws, just clip the Alphaclip onto the gutter (compatible with Nantaise, square, Lyon, English and Havre gutters). You need to install 4 Alphaclips (without S) per 1m. Please note that the polycarbonate Alphaclip is only suitable for the Alphapic model. You need to install 4 Alphaclips per ml.

Product	Material	Dimensions	Packing
Alphaclip inox	Stainless steel	Yarn Ø: 2 mm	Box of 100 pcs.
Alphaclip polycarbonate	Polycarbonate	Height : 65mm / Length: 87.5cm / Width : 20 mm	Box of 100 pcs.



Obturaclip



Obturaclip



Bird stops

SHUTTERS, CLOSURES AND ROOF GUARDS



Obturaclip



Obturuatule



Bird stop closure



Eave

The Alphatex pest control range also includes several products to combat bird nesting under tiles and sheets. Our solutions prevent animals from entering, but also keep the ventilation function of the underroofs. Find all our roof protection solutions to be fixed during or after the installation of the roofing.

Product	Material	Dimensions	Packing
Obturaclip	Polycarbonate	Length 83.5 mm Ancho 138.6 mm Spike angle 60°	Box of 100 pcs.
Drilled Obturuatule	Stainless steel	Pallet length 85 mm Shaft length 110.5 mm	Sold by one piece
Undrilled Obturuatule			
Bird stop	Polyvinyl chloride strip - Galvanised steel grid	Length 900mm	2 lengths of 450 mm
5-wave closure	UV treated polyethylene	Height of the wave 48 mm	Sold by 50 pieces
6-wave closure			

MANUFACTURER'S ADVICE

OBTURA CLIPS (only developed by Alphatex) are made of polycarbonate. They are fixed directly onto the tile for optimal protection of the access under the roof.

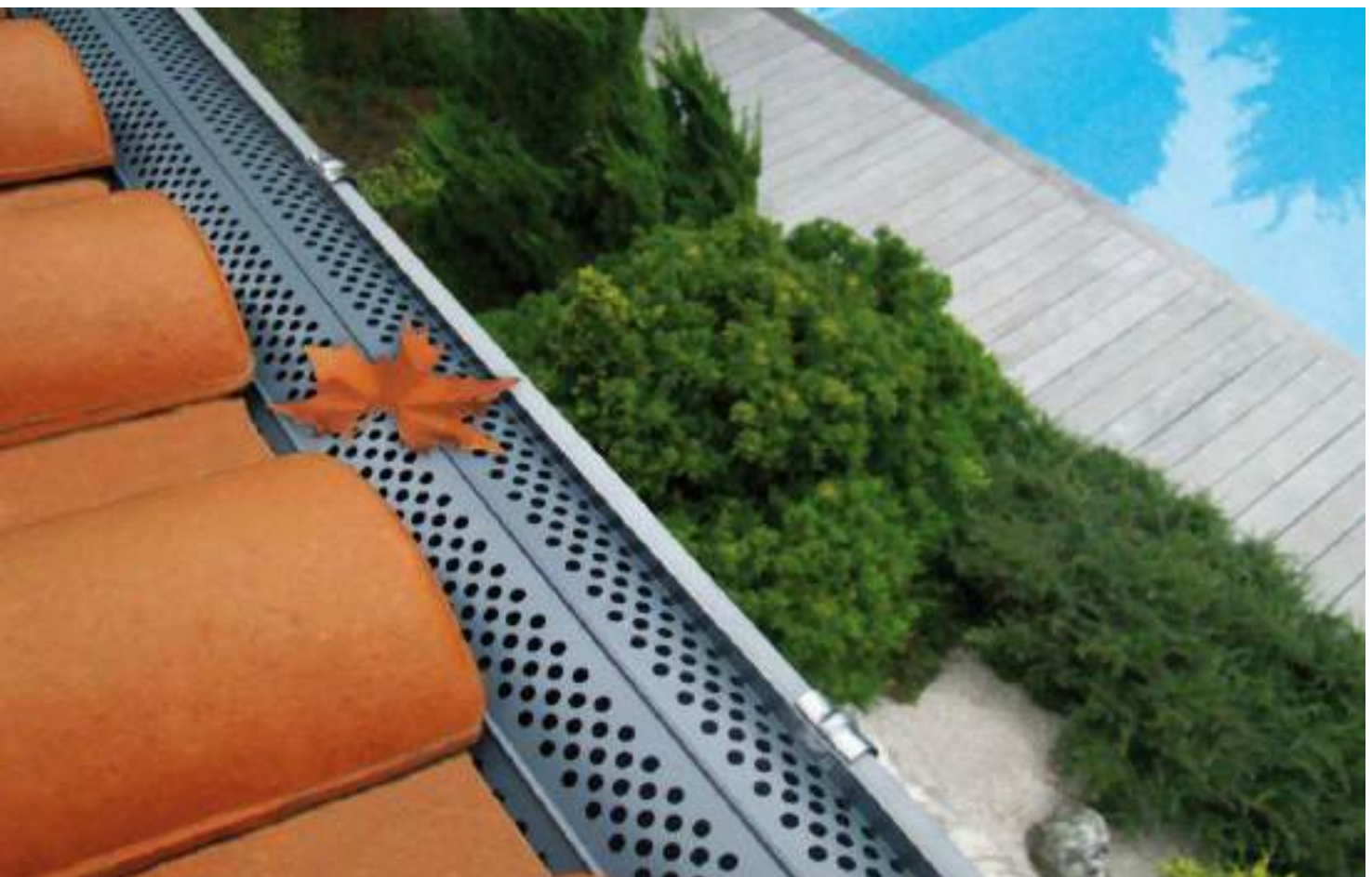
OBTURATULES are made of galvanised steel. The product is delivered flat, it must be shaped by hand and then fixed with glue.

PROTÈGE-COMBLES prevent the intrusion of animals. They slide under the sub-tile plate and are locked by coach screw, without the weight of the plate bearing on it. Designed for roofs made with ETERNIT (soutuile 230 FR natura and maxisoutuile) and EDILFIBRO (Tegolit PKF 235) sub-tiles. Made of polyvinyl chloride and galvanised steel.

CLOSOURS allow to preserve the ventilation of the lower part of the roof while avoiding the intrusion of birds. Can be fixed with glue, nails or screws.



PVC eaves comb filler



Gutter guards

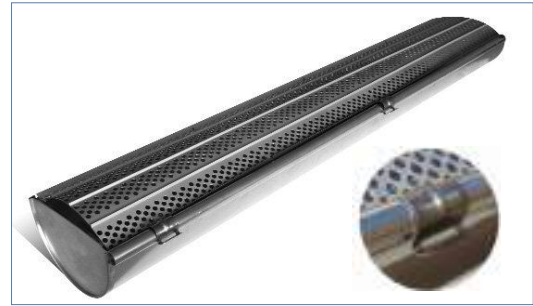
COMB FILLERS AND GUTTER GUARDS



PVC eaves comb filler



Steel eaves comb filler



Gutter guards

Combs are used to support the last row of tiles at the bottom of the roof to ensure ventilation through the eaves and to block the passage of birds. They are fixed with nails or screws.

The zinc and copper look leaf guard fits on metal and PVC gutters as well as on 130 and 150 moulded gutters.

Product	Material	Dimensions	Packing
PVC sparrow comb filler	PVC	Length 1m / Height 80 mm	Sold by 50 ml
		Length 1m / Height 100 mm	
Steel sparrow comb filler	Galvanised steel	Length 1m / Height 100 mm	Sold by 50 ml
Gutter guards	Zinc and copper look	1ml (Ø14mm and Ø18mm)	Sold by 25 ml

MANUFACTURER'S ADVICE

FOR CLEAN GUTTERS

Our leaf guard is a metal gutter guard that prevents the accumulation of leaves, thus facilitating water flow and the longevity of the rainwater drainage system.

It fits on metal and PVC gutters of 33 (O 18) or 25 (O14).

The fixing method is simple, it is placed on the half round gutter side by side, the clips are folded back and it is installed.

ADVANTAGES

- Made of lacquered aluminium for maximum adaptability in all configurations and guaranteed longevity.
- Easy to attach with folding tabs (clip-on).
- Ensures perfect water drainage even in heavy rain.
- Care for the aesthetics of the roof.

ACCESSORIES

Alphatex offers you all the necessary accessories for a serene installation of its bird nettings. Follow the installation steps to make your choice of accessories.

1. I INSTALL MY FIXING ACCESSORIES



SPLITCOF WALL PLUG (FIXING IN HARD SUBSTRATE)

Product	Material	Dimensions	Packing
Splitcof wall plug	Zinc plated steel	Eye 05 mm / Length 45 mm	Box of 200 pcs.



WALL PLUG + SCREW RING (TRADITIONAL FIXING)

Product	Material	Dimensions	Packing
Wall plug	Plastic	Ø4 mm / Length 25 mm	Box of 100 pcs.
Screw-in eye	Zinc	Ø4 mm / Length 42 mm	Box of 100 pcs.



IPN CLIP

IPN clips are placed on an IPN on one side and holds the net on the other.

Product	Diameter	Packing
IPN clip	2 to 4mm - 4 to 7mm - 8 to 12mm	Box of 100 pcs.



SELF-ADHESIVE HOOK

Product	Information	Packing
White net clip	For indoor use	Bag of 1000 pcs.
Transparent net clip		

2. I INSTALL MY CABLE



CABLE CUTTER AND CRIMPING TOOL

The pliers allow a clean, fray-free cut of all wire ropes, even those of maximum hardness. It has two crimping profiles for cable sheath ferrules and pull rope ferrules.

Product	Weight	Dimensions	Packing
Pliers	314g	190mm	Per piece

CUTTING CAPACITY

Type of wire	Max. diameter
Fine wire copper	6mm
Multi-wire copper	7mm
Piano wire	2.5mm

Type of wire	Max. diameter
Metal	6mm
Metal, semi-hard	4mm
Iron	4mm

**WIRES (SELECTION, OTHER REFERENCES ON REQUEST)**

Product	Material/Colour	Packing
Ø2 mm galvanised wire	Galvanised steel	100 m or 200 m reel
Ø2 mm stainless wire	Stainless steel	100 m or 200 m reel
Ø3 mm steel PVC coated cable Ø5 mm finish	Forest green	100 m, 200 m or 300 m reel
	Black	
	White	250 m or 500 m reel
Ø2.6 mm synthetic yarn	Black HDPE	1370 m reel

**3. I TENSION AND FIX MY CABLE****QUICK TENSIONER**

Quick to install and easy to use. Double channel self-locking mechanism. Unlockable without a key by means of two push buttons. No need for additional fixings. From 10 to 45 kg working load. Only for cable lengths of less than 10 m.

Product	Diameter	Packing
Quick tensioner	1.5 to 2.5 mm	Bag of 20 pcs.

**TURNBUCKLE + CABLE CLAMP**

Product	Diameter	Packing
Galvanised turnbuckle 1 ring 1 hook	5mm	Per piece
Galvanised turnbuckle 1 ring 1 hook	8mm	Per piece
Galvanised turnbuckle 2 rings	6mm	Per piece
Stainless turnbuckle 1 ring 1 hook	5mm	Per piece
Galvanised cable clamp	3mm	Per piece
Galvanised cable clamp	4/5mm	Per piece
Stainless cable clamp	3mm	Per piece

**SLEEVES**

Product	Diameter	Packing
Aluminium crimping sleeve	2 - 2.5 - 3.5 - 4 - 5mm	Per piece

4. I STAPLE MY NET ON THE WIRE**BOSTITCH P7 STAPLER**

Product	Packing
Stapler	Per piece
Galvanised metal staples SR8	Box of 2500 pcs.

OUR OTHER ACCESSORIES



WIRED YARN REEL

Product	Colour	Breaking strength	Yarn diameter	Packing
HDPE UV wired yarn reel	Black	60 kg	3mm	250 m reel
	Black	120 kg	4mm	100 m reel
	Black			200 m reel
	White			200 m reel
	Black	170 kg	5mm	1000 m reel
	Black	280 kg	6mm	100 m reel
	Black			200 m reel
	Black	350 kg	8mm	100 m reel
	Black			200 m reel



ZIPS FOR NETTINGS

Our zips allow you to create a reclosable opening on your nettings. Practical if you need to change a light bulb or something else without having to dismantle the net.

Product	Type of support	Packing
Zips	Closing chain	Sold by ml
	Slider	Sold by unit
	Buttons	Sold by unit



MASTIC GLUE

Product	Type of support	Packing
Neutral silicone adhesive 300 ml	Glass, concrete, aluminium, wood, glazed surfaces, PVC, polycarbonate, polymethacrylate	Box of 20 pcs.



DOUBLE SIDED ADHESIVE TAPE

Product	Type of support	Packing
Double sided adhesive tape	Zinc and aluminium	Box of 20 pcs.





DIGITAL PRINTING

- Printing for construction site barriers
- Printing on netting
- Printing on tarpaulins
- Advertising materials
- Folders for construction sites



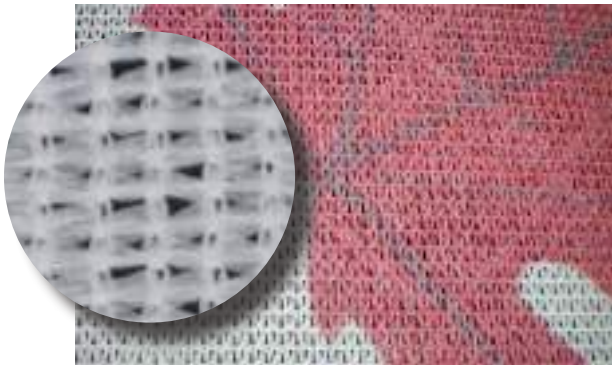
Alphavue 75



Alphavue 95

PRINTING

Construction site barrier



Alphavue 75



Alphavue 95



Alphatex prints your logos, trompe l'oeil or advertisements on your construction site barriers. The support is a privacy net (Alphavue 75 and Alphavue 95) 100% HDPE strips.



600Kly

We can print any design in four colours on a net sized to your barriers or on a roll to be unfolded. The nets can be easily attached thanks to the buttonholes placed all around with plastic ties like Colson ties.

Product	Weight	Blockage	Windbreak	Width	Length	Finishes
Alphavue 75	130g/m ²	75%	75%	2m	free	With eyelets
Alphavue 95	180g/m ²	95%	85%	2m	free	With eyelets



Accessories on page 50



Our manufacturer's advice

Digital printing



Large format digital printing has been known as a decorative medium but also as an advertising medium since the publication of the decree in 2007.

Indeed, it was in October 2007 that the decree n° 2007-645 of 30 April 2007 was implemented, completing the 2007 finance law of 21 September 2006, introducing the exemption from the ban on all advertising near historical monuments in protected areas.



This resulted in the authorisation of advertising covering scaffolding insofar as:

- the advertising does not exceed 50% of the covered surface
- the income from the advertising is used to pay for the work on the historic monument
- the display of the advertising does not exceed the time of the works

This new source of financing has allowed advertising to flourish on the Historic Monuments of our major cities.

The best support for advertisers remains the PVC or even micro-perforated tarpaulin which offers an optimum visual quality.



If we leave the field of large format advertising on scaffolding, there is still an important market for large format printing for the covering of a historical monument or a public or commercial building, etc. Indeed, the value of the advertising is above all the reputation of the building but also its location, which is conducive to a large audience, i.e. a high-traffic area for high visibility. The aim is to be seen as much as possible.

This is why many buildings, even those eligible for the 2007 decree, do not interest advertisers, due to a lack of audience. It is also important to know that advertising budgets for this type of service are relatively limited and managed by a small number of specialist players.



Covering a building with a PVC tarpaulin imposes certain constraints which add to the cost of the service:

- a frame must be added to the scaffolding so that the rosettes of the tubes do not appear behind the fabric forming small curved deformations
- the scaffolding must be anchored and a calculation note must be provided including the installation of a tarpaulin
- the decoration arrives in large heavy panels to have as few joints as possible and specialised platforms and teams are needed to put it in place.

Alphatex has chosen to position itself on a niche of urban decoration with the scaffolding net which offers less constraints:

- No need for a frame on the scaffolding
- No need for an aerial platform as the product is light
- No need for an expert team to install it

The printed net is installed like wallpaper, the decoration is composed of layer after layer that is attached with simple ties.



The support is less flashy than a PVC tarpaulin but the difference in cost is very important, such that it allows small communities to take the plunge and make urban decoration instead of being satisfied with a simple white scaffolding net.



Colortex



Digitex



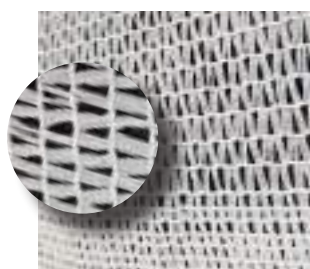
Printex



Mediatex

PRINTING

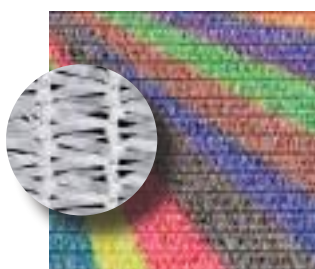
On netting



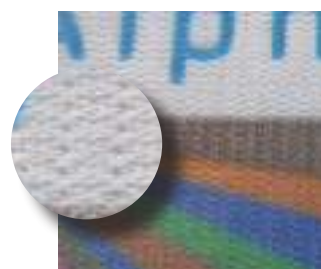
Colortex



Digitex



Printex



Mediatex



120Kly

As a specialist in scaffolding netting, we have developed a range of digital printing on netting. You will be able to benefit from both a quality Alphatex product for your scaffolding as well as a high quality print for your logos, trompe l'oeil or advertising.

Add this added value to your customer catalogue.

Product	Weight	Blockage	Windbreak	Width	Length	Finishes
Colortex	50g/m ²	50%	50%	2 - 2.6 - 3.10m	free	Raw
Digitex	100g/m ²	40%	35%	2.6m	free	Raw
Printex	104g/m ²	60%	55%	3m	free	With side eyelets and reinforcements
Mediatex	150g/m ²	70%	65%	2 - 2.57 - 3m	free	With side eyelets and reinforcements



Printex



Mediatex

Our manufacturer's advice



Alphatex range

The surface area and good location of scaffolding makes it an excellent medium for large format displays. Our position as leader in the scaffolding market has enabled us to develop digital printing on ... NETTING!

Digital printing on netting allows us to offer 2 functions to the product: that of protection which is initial and that of aesthetics by participating in the embellishment of the urban environment; all this while having a very attractive financial aspect.



PRINTING ON NETTING

- 3 m, 3.10 m, 2 m, 2.50 m or 2.60 m wide
- side buttonholes
- logo repeated on the height of the trompe l'oeil net (alternative to the tarpaulin)

PRINTING ON MESH (MICRO-PERFORATED TARPAULIN)

- logo, trompe l'oeil
- kakemonos are more concealing than a net, better visual on scaffolding
- free dimensions
- hems and eyelets finish



PRINTING ON PVC TARPAULINS

- logo, trompe l'oeil
- free dimensions
- hems and eyelets finish

TROMPE L'OEIL

The process of trompe l'oeil on netting allows historical monuments to preserve their authenticity and urban sites to be transformed into ephemeral artistic works.
Reproduction of existing facades or creation by us.

LOGO

Printing logos in large format on scaffolding netting is an excellent means of communication, making passers-by aware of your presence.

Printing of existing logos, relooking or creation of logos by us.

Prepare your files

1. CREATION OF YOUR VISUAL MATERIALS

We prepare your model with your data (logo, contact details, photo, text...), during your exchanges with our sales department and thanks to guides (printing sheet) you specify in detail the layout you expect for your visual materials. If you are undecided and you ask us to make your visual more than twice, we will be obliged to charge you for the production of the visual.

Our printing sheets and above all the know-how of our sales team ensure that your visual is produced quickly and accurately.

Finally, we are able to create your logo or a visual if you do not have one or if your old files are unusable in large format, this service is subject to creation costs on estimate.

2. SENDING YOUR FILES

The files to be printed must be prepared according to the following guidelines:

TIFF format, JPEG format, PDF format, PSD or AI format only generated from Illustrator, Photoshop or Indesign software.

For large format printing, we need to work with large files to avoid pixelation of your images, texts or logos. Our mailboxes are limited to 10Mb in size for attached files. We ask you to send your visuals in their original size without scaling by email or by a large file sending service such as wetransfer, you send it...



72dpi visual which will be pixelated



300dpi visual that will come out sharp

To find out the resolution of a JPEG file, right click on the file, then property. Click on the details tab. The horizontal and vertical resolution must be equal to 300ppp.

3. O.K. TO PRINT

It is imperative that you take the time to carefully examine your artwork and print sheets. These are the files that we will use for production. Once you have validated all the elements, all you have to do is send us your signed commercial building documentation, print sheets and quotation so that we can validate your order as soon as possible.

Find all our tips, video tutorials and manufacturer information on our blog at <https://www.alphatex.eu/le-blog-alphatex/>



Tarpaulin



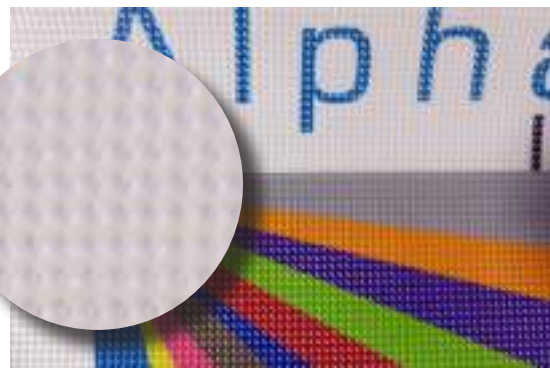
Mediamesh

PRINTING

On tarpaulins



510g/m² - 530g/m² (M1) tarpaulin



Mediamesh



For high quality printing on small surfaces, we recommend printing on canvas. With their ideal visual rendering, these materials allow you to print decorations, logos or high definition photos.



120Kly

We offer several types of tarpaulin: standard 510 g/m², 530 g/m² M1 for indoor use and microperforated mesh tarpaulin for windy prints (also available in M1).

Product	Weight	Blockage	Windbreak	Resistance	Width	Length	Finishes
Tarpaulin	510g/m ²	100%	100%	30 / 24 kg/50mm	Free	Free	Hem and eyelets every 50 cm
M1 Tarpaulin	530g/m ²	100%	100%	239 / 216 kg/50mm	Free	Free	Hem and eyelets every 50 cm
Mediamesh	270g/m ²	90%	83%	235 / 220 N	Free	Free	Hem and eyelets every 50 cm



Tarpaulin



KAKEMONOS



Kakemono

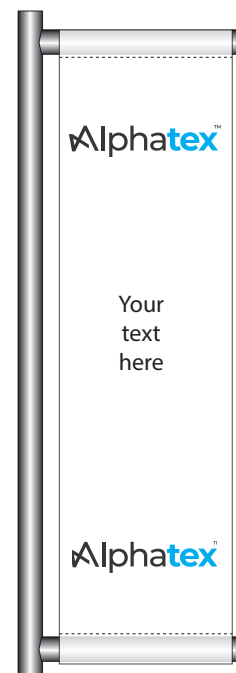
PVC



120Kly

Alphatex offers you different printing products for your advertising or safety signs. We print for you two-sided kakemonos sized to your scaffolding. Made with top and bottom sleeves, our kakemonos fit into the scaffolding tubes in portrait or landscape format. Our kakemonos are printed on 510g/m² tarpaulin.

Product	Weight	Blockage	Windbreak	Resistance	Width	Height	Finishes
Kakemono (free standing)	510g/m ²	100%	100%	30 / 24 kg/50mm	Free	1.08 - 1.58 - 2.08 - 2.58 - 3.08m	High and low sleeves
Kakemono (rosette)					0.80m	1.08 - 1.58 - 2.08 - 2.58 - 3.08m	





Single - double - specific folder



Akilux

FOLDERS FOR CONSTRUCTION SITES AND AKILUX



Single folder



Double folder



Akilux



Printed on a matt polyester tarpaulin background coated on both sides and transparent waterproof PVC pockets, our site pockets allow you to display your logo and contact details as well as site acceptance reports on your scaffolding. Supplied with a sleeve at the top, they can be easily slipped over the tubes.

Single and double folders are available with front or rear opening. Other models and sizes are available on request.

Product	Weight	Blockage	Windbreak	Resistance	Width	Height	Finishes
Single folder	510g/m ²	100%	100%	30 / 24 kg/50mm	45cm	36.5cm	High folders and front opening High folders and rear opening
Double folder	510g/m ²	100%	100%	30 / 24 kg/50mm	60cm	80cm	High folders and front opening
					80cm	120cm	High folders and rear opening
					Free	Free	High folders and rear opening
Akilux	200g/m ²	100%	100%	-	60cm	80cm	Eyelets in the corners
					80cm	120cm	
					Free	Free	



OPTIONAL
Back flap with velcro closure



Logo and contact details can be personalised with a minimum of 50 pieces.

STRIP

Flat yarn, it provides more blockage by its shape than round yarn but less resistance. A net can be knitted or woven with strips, it will be called 100% strip net or mixed with monofilament, it will be called monofilament strip net.

BI-ORIENTED

The heat shrinkable film can be either mono-oriented or bi-oriented during extrusion. Bi-oriented film is stretched lengthwise and widthwise at the machine exit, this technique increases the strength of the film and its shrinkage capacity.

WINDBREAK NETTING

It is expressed as a percentage; it corresponds to the proportion of wind retained by the net or the tarpaulin. By definition, a full tarpaulin retains 100% of the wind.

COMPOSITION

In a certain construction, the number of threads in the warp (lengthwise) and weft (widthwise) according to their diameter.

DENIER

A unit of weight originally derived from the silk trade. Unit of measurement for the fineness of continuous threads. 1 denier = 1 gram for a length of 9,000 metres.

FIREPROOFING

Materials are classified according to their flammability. Some materials, such as netting, can be treated throughout its substance or by bathing to obtain fire resistance (certified netting). This is known as a fire retardant (see table of fire classifications).

INCH

This is an Anglo-Saxon unit of length still used today. Its French translation is le Pouce. 1 inch = 2.54 cm.

MICROMESH

Nets with tight millimetre meshes that give them the appearance of a canvas; they can be knitted or woven. In contrast, we have the mesh nets, the best example of which are the sport nets or the railing nets present in this catalogue.

MONOFIL

Round, independent yarn (opposite = multifilament).
Ex: Our scaffolding nets are knitted in monofilament.

MONO-ORIENTED

The heat shrinkable film can be either mono-oriented or bi-oriented during extrusion. A mono-oriented film is stretched in one direction at the machine exit.

MULTIFILAMENT

Assembly of microscopic yarns.

LIGHT BLOCKAGE

Expressed as a percentage; corresponds to the proportion of sunlight filtered out by the net or tarpaulin.

WEIGHT/M²

The weight of a net or tarpaulin is expressed per m² and not per piece in order to obtain a reference value for comparing ranges. The higher the weight of a net or tarpaulin, the greater its material density and therefore the greater the strength of the material.

BOLT ROPE

Bolt rope is a rope, which can have different diameters, which is transferred from mesh to mesh around the circumference of a net.

MECHANICAL STRENGTH

It is expressed in kg/m² or in daN. Tear strength is related to the type of material and its density. For reinforced tarpaulins (Armatex and Couvratex) the tear strength is different in warp (length) and weft (width).

OVERLOCK

The overlock is a rope, which can have different diameters, which is sewn around the perimeter of a net.

ROLLING BALL TACK

Standardised test to check the quality of the adhesive's bonding of the adhesive. The test consists of rolling a ball on an adhesive. The test is measured in centimetres; the less distance the ball travels, the more adhesive the tape is. See diagram on p. 58.

WOVEN

A technique for constructing a fabric and a net (called canvas) which consists of interweaving the yarns in the weft (widthwise) and warp (lengthwise) directions. A woven fabric can be monofilament, strip or monofilament-strip like the Editis fabric. The woven technique gives the fabric great mechanical strength and rigidity. In construction, the quality of the net is expressed in terms of its weight per m².

Article I

FIELD OF APPLICATION

These General Terms and Conditions of Sale apply to all sales concluded by Alphatex with professional buyers, whatever the clauses that may appear on the customer's documents, and, in particular, its general terms and conditions of purchase, and concern the following products:

HDPE knitted & woven netting - HDPE, PA, PES, PP mesh netting - HDPE, PVC, PES tarpaulins, ... - Fixing accessories - Digital printing work - Heat shrinkable film and accessories - Asbestos products - Spikes, shutters, bird stops, closures and installation accessories. Made-to-measure nets.

Article II

PRODUCTS

The products delivered are in principle in conformity with the descriptions in the catalogues and in conformity with the samples sent. However, the supplier reserves the right to modify the product or to cease marketing it, whether for reasons of safety, manufacturing techniques or product improvement, or modifications to the relative standards in force. In the event of a current order for a given product which is modified in this way, the supplier's only obligations will be to deliver the product on order according to the new manufacture or, failing that, a product of a higher range. For the manufacture of made-to-measure nets, our measurements of mesh sizes are always made between two rows of knots, knot centre to knot centre, dry net under normal tension. Manufacturing tolerance + or - 5%.

Article III

ACCEPTANCE OF ORDERS AND PRICES

Orders taken by the supplier's employee or any other person from the company authorised for this purpose will only be definitive after receipt of an order form in accordance with the quotation, of which a simple dated copy, signed by a person authorised by the Buyer, must be given to the Supplier. The products are supplied at the prices mentioned in the attached price list and, where applicable, in the commercial proposal sent to the customer. These prices are firm and non-revisable during their period of validity, which is 30 days, unless the Supplier gives his prior agreement.

For any order of less than EUR 150 net of tax, an administrative service will be invoiced at EUR 29 net of tax.

Article IV

TERMS OF PAYMENT

The price is payable in cash with 0.5% discount on receipt of invoice, except for special conditions.

Bills of exchange must be returned within 8 days at the latest. In case of non-compliance with this term, the Supplier will be entitled to demand immediate payment of all outstanding invoices, including those not yet paid, and to suspend all orders in progress or in the delivery phase, without prejudice

to our rights to damages and interest, if any. After the due date on the back of this invoice, a late payment penalty of 3 times the legal rate will be applied (law 2008-779 of 4 August 2008) as well as a fixed indemnity for collection costs of EUR 40 (Decree 2012-1115 of 2 October 2012).

Article V

DISCOUNTS, PRICE REDUCTIONS AND REFUNDS

In the case of quantity discounts and price reductions, the Buyer may benefit from the discounts, reductions and refunds in exchange for the Supplier taking charge of its participation in a marketing or commercial action.

Article VI

DELIVERY AND SHIPPING COSTS

DELIVERY

The delivery time is given as an indication and is approximate. This period does not constitute a strict deadline and the Supplier will not be liable to the Buyer in the event of a delay in delivery not exceeding one week. Delivery and handover of the products may take place at any other place designated by the Buyer, subject to one week's notice and a minimum of 72 hours' notice, at the Buyer's sole expense. In the event of delivery to another location designated by the Buyer, the Buyer provides the Supplier with precise information on the persons entitled (and under its responsibility) to receive the ordered products.

In case of particular requests from the Buyer concerning the conditions of packaging, specific conditioning or transport of the ordered products accepted in writing by the Supplier, the related costs will be subject to a specific additional invoicing. Our goods are sold ex our warehouses. They are sent at the risk of the recipient, even if the carriage is advanced by us, on your behalf, or postpaid.

We ask you to check the condition and quality of the products delivered in the presence of the deliveryman. In case of damage or shortage:

The recipient must indicate precise, significant and complete reservations on the transport document.

The reservations must relate to the goods and not to the apparent state of the packages (e.g.: write down the references, the quantities).

Within 24 working hours following delivery, the recipient must send us a complaint by e-mail, specifying the reservations made to the carrier and photos of the goods. The claim will be admissible as soon as the recipient has duly met the above criteria. Indeed, the failure to observe these formalities makes us lose all possibilities of making claims against the carrier, and in fact, prevents us from taking into account any request for compensation and/or refund.

SHIPPING COSTS

The prices are established from our warehouses. Postage is extra.

Article VII

TRANSFER OF OWNERSHIP - TRANSFER OF RISKS RETENTION OF TITLE

The transfer of ownership of the products from the Supplier to the Buyer only takes place after full payment of the agreed price, regardless of the date of delivery of said products. It is nevertheless expressly stated that the Buyer is responsible for the goods deposited in his hands as soon as they are physically handed over. In the event of non-payment by the Buyer of all or part of the price of the order, the Supplier reserves, until full payment, a right of ownership over the products sold, allowing it to repossess said products. Any deposit paid by the Buyer remains the property of the Supplier as a lump-sum compensation, without prejudice to any other action that the Supplier may be entitled to take against the Buyer as a result.

Article VIII

SUPPLIER'S LIABILITY - GUARANTEES

The products delivered by the Supplier benefit from a guarantee of duration in accordance with the needs specified by the Buyer and the terms of which he has stipulated in the confirmation of his order form. The Supplier guarantees, in accordance with the legal provisions, the Buyer against any hidden defect, resulting from a material, design or manufacturing defect affecting the delivered products and making them unfit for use, beyond the tolerance of 1 knot per 100. Any guarantee is excluded in the event of misuse, negligence or lack of maintenance on the part of the Buyer, as well as in the event of normal wear and tear or force majeure. Any return of goods is excluded on made-to-measure nets whose dimensions are given by the Buyer and validated at the time of the order. In order to assert his rights, the Buyer informs the Supplier, in writing, of the existence of the defects within a maximum period of 6 weeks to advise of a defect as from their discovery, under penalty of forfeiture of all other actions relating thereto. The Supplier replaces or repairs the products or parts under warranty that are found to be defective. This guarantee only covers the product "on the ground" and in no case the labour costs related to their removal and reinstallation (except for special agreements). The replacement of defective products or parts will not have the effect of extending the duration of the above warranty. An administrative charge of EUR 29 excluding VAT will be applied for all returns of conforming goods following a customer order error.

Article IX

ELECTION OF DOMICILE AND JURISDICTION

In the event of a dispute, the Commercial Court of Rouen has exclusive jurisdiction. All orders imply the Buyer's acceptance of the Supplier's general terms and conditions of sale,

notwithstanding any stipulations to the contrary contained in his own general terms and conditions.

ARTICLE X

GOVERNING LAW

All clauses contained in these general terms and conditions of sale, as well as all purchase and sale operations referred to herein, are subject to French law.

Article XI

INDUSTRIAL AND COMMERCIAL PROPERTY CLAUSE

All the Supplier's documents are protected by INPI and WIPO registrations and by the laws in force on industrial and commercial property. For the distribution of Alphatex materials, written authorisation must be obtained and validated by our marketing department.

Any total or partial reproduction by any means whatsoever will be prosecuted by the competent courts.

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BUILDINGS



THERMO



PROTECTIVE NETTING



ANTI-BIRD



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