

Monarflex[®]

A member of the Icopal Group



Monarflex Weather Protection

Product Guide





Content

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All weather protection
 Flame retardant options
 Printing opportunities
 Unique secure fixing systems
 Outstanding UV resistance

Monarflex

Scaffold Sheeting

A complete range of performance options from the UK market leader.

Developed in consultation with major contractors, the Monarflex scaffold sheeting, containment netting and temporary roof covering range will ensure that site work continues in virtually all weather conditions, protecting personnel from rain, snow and wind chill.

Range of sizes for traditional tube or modern modular systems.

- LPCB approved flame retardant options available.
- Unique patented eyelet fastening system.
- Outstanding UV resistance.
- Screen and DigiWrap printing service available.
- Approved contractor network available.



High strength patented eyelet design has unbeatable resistance to pull-out for maximum security and remain sealed when eyelets are not used, preventing penetration by wind and rain.



Product Range

Monarflex scaffold sheeting, tarpaulins and agricultural products have been proven in use throughout the world and in some of the most extreme areas on the planet by some of the most respected names in construction, maintenance and property development.

From a single source you can specify the most cost-effective solution for any project. Ranges available:

- **Super T Plus Range.** High strength reinforced low density polyethylene with a 9 x 12mm reinforced grid. Available in flame retardant and standard options.
- **Stripe FireSmart®.** A mid range flame retardant scaffold sheeting recommended for use in low rise, shorter term projects that are not exposed to high wind risk. Monarflex Stripe FireSmart® scaffold sheeting also offers you the world's largest advertising medium to promote your business. The latest printing methods quickly turn the sides of a building into giant 'billboards'.
- **Scaffband Range.** Reinforced low density polyethylene with PET reinforcing grid for use in low rise, shorter term projects not exposed to high wind risk. Available in flame retardant and standard options.
- **Containment Netting.** Airflow Flamesafe is an exceptionally strong, flame retardant containment netting with an open polypropylene weave for use in high or low rise locations with high wind risk.
- **Temporary Roof Cover (TRC).** A lightweight temporary roof cover designed for the HAKI roofing system. Available in flame retardant and standard options.

Scaffold Sheetting at a glance

	Roll Size	Suitable for		Printing Method		Recommended Fixing
		Ext. Use	Int. Use	Screen	Digital	Recommended Fixing
Super T Plus Range						
Super T Plus FireSmart®	2m x 45m	✓	✓	✓	-	Anchor & Strap
Super T Plus FireSmart®	2.25m x 40m	✓	✓	✓	-	
	3m x 45m	✓	✓	✓	-	
	4m x 36m	✓	✓	✓	-	
Super T Plus (Green)	2m x 45m	✓	-	✓	-	Anchor & Strap
Super T Plus (Clear)	2m x 45m	✓	-	✓	-	
	2.25m x 40m	✓	-	✓	-	
	3m x 45m	✓	-	✓	-	
	4m x 36m	✓	-	-	-	
Scaffband Range						
Stripe Fire-Smart	2m x 45m	✓	✓	✓	✓	Flexitie or Eurotie
Stripe FireSmart Range						
Scaffband Flamesafe	2m x 45m	✓	-	✓	-	Flexities
	3m x 45m	✓	-	✓	-	Flexities
Scaffband	2m x 45m	✓	-	✓	-	Flexities
	3m x 45m	✓	-	✓	-	
Containment Netting						
Aiflow Flamesafe	2m x 45m	✓	-	-	✓	Cable Ratchet Tie
Temporary Roof Cover						
TRC Flamesafe	3.35m x 50m	✓	-	-	-	-
TRC	3.35m x 50m	✓	-	-	-	-

Monarflex Super T Plus Range

The UK's market leading high performance scaffold sheeting, with exceptional strength and wind resistance. Proven to withstand the rigours of long-term construction or demolition work.

Features & Benefits

- Available in flame retardant and standard options.
- Patented eyelet design. Has unbeatable resistance to pull-out for maximum security and, unless they are used, eyelets remain sealed, preventing penetration by wind and rain.
- Unique high performance Anchor & Strap fixing system resists wind induced stresses in all directions while remaining flexible enough to protect the sheeting from destructive strain.
- Suitable for screen printing.

Product Range

- Super T Plus FireSmart®. Suitable for internal and external use. Approved to LPS 1207 (internal) and LPS 1215 (external).
- Super T Plus. Designed for external applications.

Fixing Method

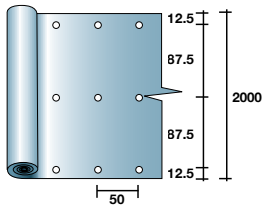
- Anchor & Strap.



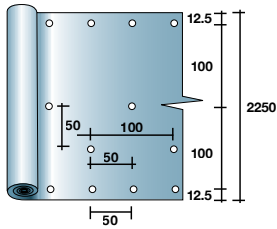
Product Data

Monarflex Super T Plus FireSmart®	
Material	Reinforced co-polymer LDPE with flame retardant formulation
Colour	White
Use	External and internal
Grid	9 x 12mm PET MUJ 1670 dtex
Thickness	0.2mm
Light transmission	50%
Eyelets per roll	270 (2m x 45m) 240 (2.25m x 40m) 360 (3m x 45m) 432 (4m x 36m)
Roll size / weight	2 x 45m / 26kg 2.25m x 40m / 26kg 3m x 45m / 40kg 4m x 36m / 43kg

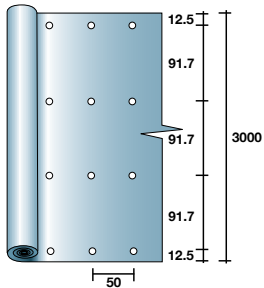
Monarflex Super T Plus	
Material	Reinforced co-polymer LDPE
Colour	Green (2m x 45m only) Clear (2m x 40m, 2.25m x 40m, 3m x 45m and 4m x 36m)
Use	External only
Grid	9 x 12mm PET MUJ 1670 dtex
Thickness	0.2mm
Light transmission	>80%
Eyelets per roll	270 (2m x 45m – Green or clear) 240 (2.25m x 40m) 360 (3m x 45m) 288 (4m x 36m)
Roll size / weight	2m x 45m / 28kg – Green or clear 2.25m x 40m / 22kg 3m x 45m / 33kg 4m x 36m / 35kg



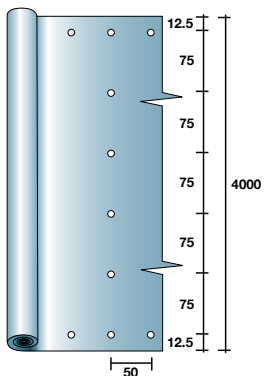
Roll Size: 2m x 45m
Eyelets per roll: 270



Roll Size: 2.25m x 40m
Eyelets per roll: 240



Roll Size: 3m x 45m
Eyelets per roll: 360



Roll Size: 4m x 36m
Eyelets per roll: 288



The only wind-tunnel tested fixing system on the market, this unique, patented Anchor & Strap system is quick to fit and withstands winds up to hurricane intensity.

Monarflex

Stripe FireSmart®

Scaffold Sheeting

An economy sheeting recommended for use in low rise, shorter term projects that are not exposed to high wind risk.

Features & Benefits

- LPS 1207 / LPS 1215.
- Suitable for digiwrap printing and screen printing.

Product Range

Monarflex Stripe FireSmart® (white).

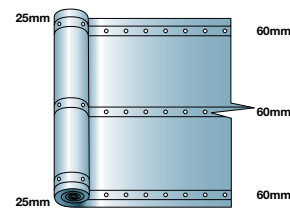
Fixing Method

- Eurostrap or Flexitie.



Product Data

Material	Reinforced low density polyethylene (LDPE) with flame retardant formulation
Colour	White with a 3 x 70mm white HDPE FR tapes
Grid	12mm x 10mm polypropylene leno weave grid
Thickness	0.2mm +/- 5%
Weight per m²	232 g/ m ² +/-5%
Light transmission	>50%
Tensile Strength	700N / 50mm + -30N / 50mm
Eyelet Pullout	600N
Eyelet / Bands	At 100mm centres on three reinforced bands of the sheet
Conforms to	BS 7955, BS8410:2007 for use of scaffold sheets
Fire Protection	Certified LPS 1207, LPS 1215
Use	Internal and external use



Roll Size: 2m x 45m

Scaffband Range

An economy sheeting recommended for use in low rise, shorter term projects that are not exposed to high wind risk.

Features & Benefits

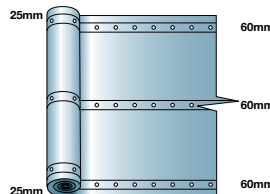
- Available in flame retardant and standard options.
- Choice of high performance Flexities or Euroties fixing systems.
- Lightweight for easy handling on site.

Product Range

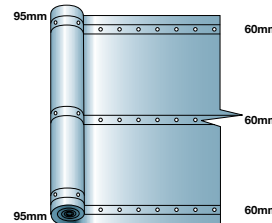
- Scaffband - Suitable for external use only.
- Flamesafe.

Fixing Method

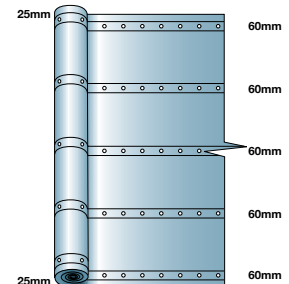
- Flexities.



Roll Size: 2m x 45m



Roll Size: 2.25m x 40m



Roll Size: 3m x 45m

Product Data

Monarflex Scaffband Flamesafe	
Material	High strength reinforced low density polyethylene
Colour	White
Use	External only
Grid	Multifilament PET 9 x 12mm 1670 dtex
Thickness	0.15mm
Light transmission	>38%
Roll size / weight	2m x 45m / 24Kg 2.25m x 40m / 24kg 3m x 45m / 30kg

Scaffband	
Material	High strength reinforced low density polyethylene
Colour	Clear
Use	External only
Grid	Multifilament PET 9 x 12mm 1670 dtex
Thickness	0.2mm
Light transmission	>80%
Roll size / weight	2m x 45m / 24kg 2.25m x 40m / 24kg 3m x 45m / 36kg

Containment Netting

Monarflex Airflow Flamesafe is an exceptionally strong flame retardant containment netting specially developed for high and low rise locations where high winds are a significant risk.

Features & Benefits

- Flame retardant polypropylene.
- Special open weave reduces pressure on the scaffolding structure in high winds and reduces heat build-up during summer months.
- A low cost solution that combines protection with containment.
- UV resistant.
- Suitable for DigiWrap printing.

Product Range

- Monarflex Airflow Flamesafe. Suitable for external use only. Tested to all relevant BS Codes.

Fixing Method

- Cable Ratchet Tie.

Product Data

Airflow Flamesafe Containment Netting	
Material	Open weave polyethylene
Colour	White
Use	External
Thickness	0.75mm
Light transmission	35%
Air permeability	
- Denseweave	165mm/sec (approx 72% of sheet)
- Openweave	577mm/sec (approx 28% of sheet)
Roll size / weight	2m x 45m / 14.9Kg



Temporary Roof Cover (TRC)

With roof refurbishment, meticulous planning is required to ensure the project remains weather tight. Often conventional scaffold structures are not suited. TRC is the sheeting designed for the lightweight HAKI system.

Features & Benefits

- Available in flame retardant and standard options.
- When used with the unique HAKI Trak roof sections TRC can be opened and closed in just a few minutes.
- Certified to LPS 1215.

Product Range

- TRC Flamesafe.
- TRC.



Product Data

TRC Clear	
Material	Reinforced low density polyethylene
Colour	Clear
Use	Temporary roof cover
Reinforcement	1670 dtex 9 x 12 mm PET
Thickness	0.25mm
Roll size / weight	3.35 x 50m / 54.55kg

TRC Flamesafe	
Material	Reinforced low density polyethylene
Colour	White
Use	Temporary roof cover
Reinforcement	1670 dtex 9 x 12 mm PET
Thickness	0.25mm
Flame Retardant	LPS 1215
Roll size / weight	3.35 x 50m / 54.55kg

Fixings

High performance fixing systems that provide reliable, secure fixings very quickly, saving time and money on site.

Anchor & Strap Fixings

The only wind-tunnel tested fixing system on the market, this unique, patented system is quick to fit and withstands storm force winds. Anchor & Strap has been specially developed for use with Monarflex Super T Plus scaffold sheeting ranges. System performance exceeds the performance specifications in the British Code of Practice for Containment Nets & Sheets BS 8093: 1991, including the revisions made in BS8410:2007.



Features & Benefits

- Impact resistant polyamide with EPDM rubber strap.
- Resists stresses in all directions while retaining flexibility to relieve stress across the sheeting surface.
- Ensures the sheeting stays in place and maintains its shape.
- Extreme holding strength.
- UV stabilised.

Eurostrap

Black 200mm EPDM rubber strap with white polypropylene high impact anchor, designed to blend unobtrusively on DigiWrap printed Stripe FireSmart scaffold sheeting.



Flexities

Blue 280mm multistrand elastic cord with high tenacity polyester cover and high impact toggle plus hook at each end. For use with Scaffband scaffold sheeting.



Monarfol Clear Tape

The Monarfol Tape is a very durable transparent PVC tape with a width of 50mm and a thickness of 0.15mm. The Tape is flame retardant and stabilised against UV degradation. Monarfol Clear Tape is used to repair damages in the Monarflex sheeting and can additionally be used to secure overlaps in order to avoid wind getting behind the sheeting.



Monarflex Tarp Connector

The Monarflex Tarp Connector is a two piece mechanical fixing of two overlapping sheets where high strength is required. The fixing is done by piercing through the unique Monarflex fixing eyelets. The two pieces are connected with a piercing bolt that has a thread for a perfect fit into the anchor plate. It's recommended to cut off the sharp end of the bolt once secured to avoid any health and safety incidences.



Printing

Scaffold sheeting offers you the world's largest advertising medium to promote your business.

Whether you're designing, developing, redeveloping, letting or contracting on a building there's never been an easier way to realise the huge marketing potential of its structure. The latest printing methods quickly turn the sides of a building into giant 'billboards'. What's more, the cost compares favourably to other high profile advertising media – particularly when you take long-term visibility and durability into account.

- Creatively flexible, carrying anything from simple logos to sales messages and images.
- Full colour imagery available.
- Initial design visual can be supplied from your logo or artwork.



DigiWrap Printing

DigiWrap printing from Icopal allows you to wrap any building in a powerful, highly visible message. The printed surface has exceptional all weather performance and will normally last at least 6 months, maximising your investment.

- Present an impression of the completed building, sales and letting information or any other sales message.
- No minimum order quantity allows you to order one-off promotional sheeting.
- High speed service normally ready in 2 – 3 weeks.

Icopal DigiWrap printing can be specified on Stripe Firesmart and Airflow Flamesafe containment netting only.

Screen Printing

Modern screen printing allows you to use full colour imagery very cost-effectively, adding value both in terms of marketing impact and also in helping to keep valuable sheeting secure from theft.

Screen printing can be specified on the majority of Monarflex sheeting.



Installation

Professional scaffold design advice should always be sought prior to commencing work, and a full risk assessment of each project should be carried out.

For Weather Protection

If the prime purpose is to protect personnel against wind and rain, then upper sheets must overlap the lower sheets externally to ensure rain runs down the outside of the sheeting.

For Containment

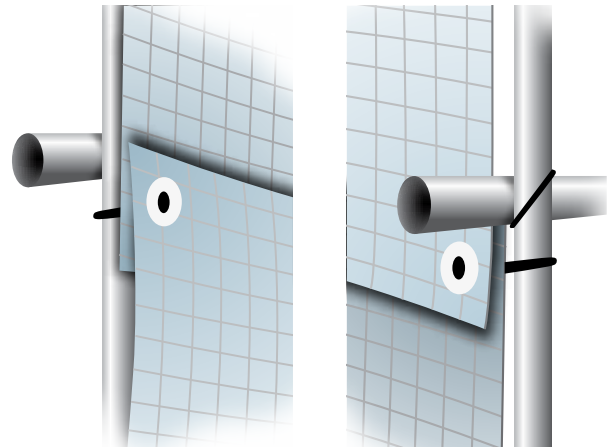
If the prime purpose is to protect the surrounding area from the impact of demolition then the upper sheets must overlap lower sheets internally to contain debris within the sheeting.

Scaffolding Design

When scaffold sheeting is to be installed, the structure must be designed to meet all relevant BS standards and codes of practice to accommodate the increase in wind loadings. Only qualified scaffolders should undertake the installation of Monarflex scaffold sheeting.

General Notes

- Professional advice should always be sought prior to commencing work.
- A full risk assessment of each project should always be carried out.
- Sheeting should be installed on the outside of scaffold framework.
- Eyelets must face outwards.
- Use only original branded Monarflex fixings.
- A minimum of one fixing per metre in each direction should be achieved.
- All scaffold ends should be sheeted.
- Do not over-stretch fixing straps/ties.



Monarflex Tarpaulins

A range of tarpaulins for all uses, including a high performance option with a working life considerably longer than conventional products.

The effect of the weather can damage your assets. A Monarflex tarpaulin can protect and cover your assets with strength, security, durability and high dependability thus preventing weather damage and its consequences. Monarflex tarpaulins can be used in both industrial and private and domestic applications for the protection and covering of:

- Buildings and construction.
- Plant and equipment.
- Boats, trailers, caravans.
- Garden furniture.
- Furniture while decorating.
- Timber stacks or material covers.
- Temporary roof covering.
- Swimming pools.



SuperTarp

An exceptionally strong, high quality reinforced tarpaulin providing maximum safety and protection.

Ideal for long periods of protection and extreme weather conditions.

- Fully waterproof
- Exceptionally strong integrated fixing eyelets
- Stable at high and low temperatures
- Easy to apply and transport
- Can be re-used year after year
- Will not become brittle in sunlight
- Environmentally considerate
- Available in 8 sizes

Product Data

Sizes:	4x3m (12sqm)
	4x4m (16sqm)
	4x5m (20sqm)
	4x6m (24sqm)
	4x8m (32sqm)
	4x10m (40sqm)
	4x12m (48sqm)
	4x50m (200sqm)

Green only with double eyelets every 5m allowing sheet to be cut into 5m lengths.

Colour: Green or Clear

Weight: 210g/m²

Thickness: 0.180mm

Tensile strength: >12 kN/m

Continual protection for up to 16 months.

EconaTarp

An extremely light, flexible and cost effective woven tarpaulin ideal for temporary protection.

- Waterproof
- Tear resistant
- Aluminium eyelets at 100cm intervals
- Available in 3 sizes

Product Data

Sizes: 4x3m (12.5sqm)
 4x5m (20sqm)
 6x8m (48sqm)

Colour: Blue

Weight: 80 gsm

Thickness: >0.100mm

Tensile strength: >6 kN/m

Continual protection for up to 1 month.

**FenceTarp**

Lightweight, flexible and very cost effective tarpaulin designed to sit on fences and provide a closed building site.

- Tear resistant
- Aluminium eyelets along the edge
- One size fits perfectly on a standard sized fence.

Technical Data

Size: 1.76 x 3.41 m

Colour: Blue

Weight: 80 gsm

Thickness: >0.100 mm

Agricultural

Monarflex Ultra Agri

Made from environment friendly Low Density Polyethylene (LDPE) with a strong reinforcing grid providing maximum safety and protection of your crops.

The Monarflex Ultra Agri greenhouse sheeting is permeable to CO² and artificial enrichment is not necessary.

- Protects plants.
- Fully waterproof.
- Stable in high and low temperatures.
- High UV stability.
- Exceptional strength.
- High transparency.

Technical Data

Sizes:	1.1 x 50 m 4 x 25 m
Colour:	Transparent with a green tint
Weight:	250 gsm
Thickness:	>0.250 mm
Tensile strength:	>6 kN/m
Continual protection for up to 36 months*.	

*Northern Europe.





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