

POWERCLAD® FR

Weather protection and containment solutions



Product Information

www.powerclad.com

FLAME RETARDANT PROTECTION

Heavy-duty reinforced containment and weather protection solutions.

Powerclad® FR is a range of Flame Retardant versatile and cost-effective scaffold sheeting and open mesh products for temporary containment and weather protection enclosures.

Our systems provide an unparalleled choice of materials to encapsulate a project, providing solutions to weather induced delays, enhancing site safety and security, minimising adverse environmental impact and improving the working environment by reducing wind chill factor and controlling temperature.

Powerclad® is suitable for both indoor and outdoor installations and compatible with all frame, tubular and system scaffolds.

Powerclad® Scaffold Sheeting is a waterproof coated fabric with eyelets at regular intervals along strong reinforcement strips.

Powerclad® Filter Sheeting is a closely woven mesh for improved ventilation. Air permeability is desirable in many installations to contain debris & dust, dry out interior works, disperse paint solvents and disperse air pressure during stone cleaning or shotblasting. It provides exceptional weather protection in exposed locations and harsh climates.



Offshore and marine maintenance

Powerclad® Vented Sheeting is a more open woven fabric to provide even further ventilation in warmer climates.

Materials are available in Flame Retardant grades tested to British, European and US Standards.

Powerclad® sheeting can be printed in full colour to project a corporate identity or promote the development. Printed sheeting retains its flame retardant properties and LPCB certification.



Powerclad® FR Premium



Deck resurfacing on HMS Illustrious



Decommissioning Nuclear Power Stations

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Industrial Textiles & Plastics Ltd
Stillington Road
Easingwold
York YO61 3FA
United Kingdom

Tel: +44 (0)1347 825200
Fax: +44 (0)1347 825222
Email: powerclad@itpltd.com
Website: www.powerclad.com



FLAME RETARDANT PROTECTION

FEATURES

- Fire Prevention on Construction Sites - The Joint Code of Practice on the Protection from Fire of Construction Sites and Buildings Undergoing Renovation.
The scope of this Code applies to projects with an original contract value of £2.5m or above, and applies equally to smaller value contracts where these are part of a large project. A large project is one with a value of £20m and above. There may be exceptional circumstances, such as in the case of high fire risk sites, where these thresholds are reduced. In cases where the construction contract or the insurance contract does not require this Code to apply, this Code shall serve as "best practice". All parties must always check with their insurance providers on each project.
- Flame Retardant for enhanced safety and protection.
- Provides a protected working environment. Enhanced site safety by reducing the risk of debris and other small objects from falling outside the scaffold. Complies with BS 7955.
- Reinforced construction combines superior tensile strength characteristics with puncture and tear resistance.
- Incorporates attachment points at regular intervals along the roll to fit to all scaffold designs.
- Excellent low-temperature characteristics minimise the risk of cracking.
- Recyclable, chemically inert and harmless to the environment.
- Unaffected by mild acids or alkalis, and does not support bacterial, fungal or organic growth.
- Quality Assured and manufactured to ISO 9001 quality standards.

OUTSTANDING TECHNICAL PERFORMANCE

	POWERCLAD FR PREMIUM	POWERCLAD FR STANDARD	POWERCLAD FTFR	POWERCLAD VSFR
TYPE	Flame Retardant Sheeting	Flame Retardant Sheeting	Flame Retardant Filter Sheeting	Flame Retardant Vented Sheeting
Weight	240gsm	170gsm	140gsm	100gsm
Tensile Strength	MD 800 N/50mm XD 750 N/50mm	>630 N/50mm	1000 N/50mm	>630 N/50mm
Flame Retardant	LPS1215 Cert No. 965b LPS1207 Cert No. 965a BS 5867 Part 2B BS 476 Part 12C DIN 4102 B1 Boston BFD IX-1 CFM CA 1237 CPAI 84 Sect 6 Port Auth NY&NJ FAA 12 Vert NFPA 701-99 TM#2Flat NC	LPS1215 Cert No. 965b LPS1207 Cert No. 965a BS 5867 Part 2B BS 476 Part 12C	BS 5867 Part 2B BS 476 Part 12C DIN 4102 B1 Boston BFD IX-1 CFM CA 1237 CPAI 84 Sect 6 Port Auth NY&NJ FAA 12 Vert NFPA 701-99 TM#2Flat NC	BS 476 Part 12C
Sizes	2.0 x 45 m 2.2 x 40 m 2.7 x 20 m 3.0 x 45 m 3.2 x 20 m 4.0 x 45 m	2.0 x 45 m 2.2 x 40 m 3.0 x 45 m	3.12 x 50 m	2.0 x 45 m (White) 1.76 x 50m (Black)
Colour	Ivory White	Ivory White	Blue	White/Black
Light Transmission	Good ★★★★	Good ★★★★	Good ★★★★	Good ★★★★
Printing Options	Yes	Yes	No	Yes

POWERCLAD KEDER SHEETING

Powerclad® Keder Sheeting for modular temporary roof systems is available in two flame retardant grades; Powerclad KR2000FR and KR1215FR. Both offer high tensile strength and exceptional light transmission. Powerclad® Keder KR1215FR is the only temporary roof sheeting material to be LPCB accredited to LPS1215.



KEDER SHEETING

FLAME RETARDANT STANDARDS

Flame Retardant grades to internationally recognised European and British Standards are particularly recommended for safety-critical installations including marine and offshore, petrochemical installations & occupied buildings.

LPS 1207

Fire requirements for the LPCB Approval and Listing of Protective Covering Materials.

LPS 1215

Requirements for the LPCB Approval and Listing of Scaffold Cladding Materials.

BS 476 PART 12C

Ignitability by direct flame.

BS 5867 PART 2B

Specification for fabrics for curtains and drapes. Flammability requirements.

DIN 4102 B1

Fire behaviour of building materials and elements - Classification of building materials - Requirements and testing.

BOSTON BFD IX-1

Boston Fire Department vertical flame test

CA FIRE MARSHALL TITLE 19 SECT 1237

California Fire Marshal Fire Resistance vertical flame test

CPAI 84 SECT 6

Canvas Products Association International resistance to ignition test

PORT AUTH NY & NJ FAA 12 VERT

Vertical flame test

NFPA 701-99 TM #2 FLAT NC

Self-extinguishing vertical flame test



FLAME RETARDANT

OTHER PRODUCTS

- Powerclad Acoustic Sheeting
- Powerclad Insulated Sheeting
- Powerclad Temporary Roof Sheeting

FURTHER INFORMATION

Further information is available on our website www.powerclad.com.

Please register to download Installation Instructions and Product Data Sheets.

Technical documentation is also available by contacting us by email or telephone.

E: powerclad@itpltd.com

T: +44 (0)1347 825200