

ITP POWERCLAD® FR series

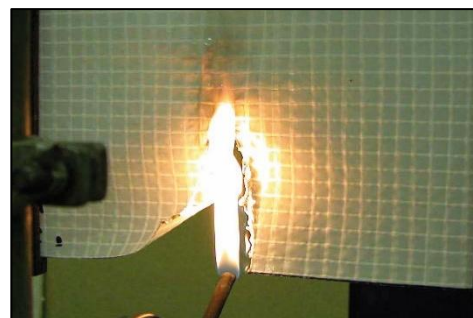
FLAME RETARDANT SCAFFOLD SHEETING



protecting what matters

TECHNICAL DATA SHEET

Revision 6.4



Description

POWERCLAD FR series is a range of temporary containment and weather protection sheeting.

Powerclad FR is a reinforced sheeting system with reinforcement bands incorporating eyelets for fastening to the scaffold using elasticated Powerties.

A range of sizes are available for all modular and tube & fitting scaffolds.

POWERCLAD FR is fully certified and independently Accredited to Certifire TS 62 and TS 63.

POWERCLAD FR is independently tested to EN 13501-1 with a Euroclass Reaction to Fire Rating of Class B. The Euroclass classification **Class B-s1,d0** is interpreted as follows:

- B:** Flame Retardant, limited contribution to fire
- s1:** Smoke emission absent or weak
- d0:** No flaming droplets

Flame Retardant grades

POWERCLAD FR available in two grades:

- Powerclad FR Premium
- Powerclad FR Standard

Both FR versions are certified to TS 62 & TS 63 and classified to Euroclass Fire Rating Class B.

Accreditations

- Accredited Certifire TS 62 (external installations)
- Accredited Certifire TS 62 (custom printed)
- Accredited Certifire TS 63 (internal installations)
- Accredited Certifire TS 63 (custom printed)
- Independently tested to EN 13501-1
- Certified Euroclass Fire Rating B-s1,d0
- ISO 9001 Quality Management System
- Fully batch traceable.

Custom Printing

- Flexographically with repeat logos every 1.27m
- Digitally with any size printing in full colour, including photographic images



Flexographic



Digital

Regulations & References

- NASC TG27:25 Technical Guidance - Cladding of Scaffolding.
- The Joint Code of Practice on the Protection from Fire of Construction Sites and Buildings Undergoing Renovation
- BS 7955 Containment nets and sheeting on construction works. Specification for performance test methods.

Performance Tests

- Certifire TS 62 Reaction to Fire Performance Requirements: Materials Used to Clad Scaffolding.
- Certifire TS 63 Reaction to Fire Performance Requirements: Material Used As Temporary Protective Covering
- BS EN 13501-1 Euroclass Fire classification of construction products and building elements, incorporating:
 - ISO 11925-2 Small flame FR test
 - EN 13823 single burning item FR test

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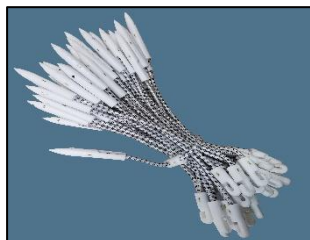
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	Test	Method	POWERCLAD FR PREMIUM	POWERCLAD FR STANDARD	Unit
Physical	Colour		Ivory	Ivory	
	Unit Weight	EN 695	240	170	gsm
	Tensile strength	warp weft	800	> 630	N/50mm
			750	> 630	
	Eyelet strength	EN 13934-1	900	> 500	Newtons
	Temperature		-30 to +70	-30 to +70	°C
Performance	Euroclass Fire Rating	EN 13501-1	Class B-s1,d0	Class B-s1,d0	Class
	Flame Retardant	ISO 11925-2	PASS	PASS	
		EN 13823	PASS	PASS	
		BS 476 12C	PASS	PASS	
	Accreditation	Exova Warrington	Certifire TS 62 Certifire TS 63	Certifire TS 62 Certifire TS 63	
	Light Transmission		25%	26%	
	Conformance		BS 7955	BS 7955	
Sizes	Roll sizes (weight)				m (kg)
			2.0 x 45 (22.0)	2.0 x 45 (15.8)	
			2.2 x 40 (22.0)	2.2 x 40 (15.5)	
			3.0 x 45 (33.0)	2.7 x 20 (23.5)	
			4.0 x 45 (44.0)	3.0 x 45 (20.0)	
				3.2 x 36 (17.1)	
Powerties	Breaking Strength	BS 7955	> 700		Newtons

Importance of BS 7955

BS 7955 is a British Standard covering the performance requirements for containment nets and sheeting on construction works. It details the minimum performance requirements and specifies the necessary test methods.

Fasteners



POWERTIES
elasticated ties

Other Weather Protection products



POWERCLAD FR KDR
keder roof sheeting



POWERCLAD FR
filter sheeting



POWERCLAD FR
debris netting

Test Results are obtained under laboratory conditions on new material and not under actual usage conditions. Test results only relate to the sample tested. Tolerances +/- 20%. No warranties or assurances of reliability, suitability or fitness for a particular purpose of specimens or data are offered. Assessment of suitability of such material and data for intended use is the sole responsibility of the customer.

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