

POWERCLAD® Weather Protection and Containment Solutions

ACOUSTIC AND INSULATED SHEETING





PRODUCT DATA

Revision 5.1

powerclad.com

POWERCLAD® Sound Barrier is a flame retardant reinforced insulation and acoustic sheeting system for temporary applications, providing an effective system for controlling and conditioning the working environment in both hot and cold climates. Featuring a special sound absorbing foam, it provides both thermal insulation and sound absorption and helps minimise noise emissions in sensitive environments such as construction sites adjacent to commercial or residential areas.

POWERCLAD® Insulated Sheeting incorporates air cells that provide thermal insulation for improved working environments and where controlled atmospheres are necessary, in both hot and cold climates.

PRODUCT	Flame retardant	Colour	Weight EN 695 gsm	Tensile strength BS 7955 N/50mm	Eyelets strength BS 7955 Newtons	Conforms to	Acoustic performance EN ISO 717-1 dB	Thermal transmission U value NEN 1068 W/m²K	Thermal resistance U value NEN 1068 m²K/W	Temperature range °C	Light transmissino %	Aerodynamic coefficient Cf	Sizes metres	Roll weight kg
FLAME RETARDANT GRADES														
Powerclad FR Sound Barrier	 BS 476 Part 12C	Ivory	1600	MD 1900 XD 1700	900	BS 7955	16*	1.66	0.60	-30 to +70	<10	1.0	2.0 x 1.2 2.0 x 3.5 2.2 x 10	3.9 11.2 35.2
Powerclad FR Insulated Sheeting	 DIN 4102 B1	Ivory	370	MD 700 XD 700	900	BS 7955	8	3.7	0.10	-40 to +70	~60	1.0	2.0 x 20 2.2 x 20 2.7 x 20	14.8 16.2 19.9
NON-FLAME RETARDANT GRADE														
Powerclad Insulated Sheeting	NA	Clear	345	MD 700 XD 700	900	BS 7955	8	3.7	0.10	-40 to +70	~70	1.0	2.0 x 20 2.2 x 20 2.7 x 20	13.8 15.1 18.6

***Note:** acoustic performance for Sound Barrier sheeting system when installed (2.0 x 3.5m and 2.2 x 10m); 14dB for Sound Barrier temporary fencing panels when installed (2.0 x 1.2m)

Fastening ties: Powerties Elasticated Toggle Ties
BS 7955 Pass break strength 500 N (28cm reach)

Flexo printing: maximum print area 1070 x 730mm; repeats at 1270mm; up to 2 colours; subject to minimum quantities
Wide format digital printing: any size, no minimum quantity

Other Powerclad products: Scaffold Sheeting • Filter & Vented Sheeting • Keder Sheeting

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