

### Aluminised Preox

Elliott Australia's Aluminised Preox is a combination of a Preox fabric and a highly reflective Gemini film process. Aluminised Preox is cool, durable, flexible, lightweight, soft, can't melt, won't burn in air we breathe, resists molten steel, doesn't hold heat and it won't shrivel or curl in extreme heat.

Fabric Specifications		
Property/Test Method	Requirement	Tolerance
Weave	Herringbone Twill	
Weight g/m <sup>2</sup>	720/m <sup>2</sup>	Nominal
Fibre content	Preox	

Applications
High temperature asbestos replacement. Suitable for garments, blankets and fire curtains. Outstanding molten metal splash and radiant heat protection.

Technical Data	
Tensile strength of base fabric N/50mm width nominal	Warp 750 Weft 515
Thickness (mm)	1.1mm nominal
Thermal protection index radiation Bs 3791	262 seconds nominal

Performance Data				
Property	Test Method	EN ISO 11612 Requirements	Results Obtained	Pass / Fail
6.2.1 Heat Resistance (at 180°C)	ISO 17 493: 2000* at 180°C	Shall not ignite or melt or shrink > 5%	Fabric did not ignite or melt. Max shrinkage= 2.9%	Pass
6.3.2 Limited flame spread - Face ignition (A1) (tested "as received")	ISO 15025: 2000 Procedure A	No flaming to edge No holing No melting or flaming or molten debris Mean afterflame s 2s Mean afterglow s 2s	No flaming to edge No holing No melting or flaming or molten debris Mean afterflame s 2s Mean afterglow s 2s	Pass A1

### Washing instructions

Spread garment on floor reflective side up, and wash with mild soap and water using a soft cloth. Rinse and clean with a soft cloth in clean water, then hang garment to dry.



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Performance Data (continued)				
Property	Test Method Requirements	EN ISO 11612	Results Obtained	Pass / Fail
6.5.1 Tensile strength	ISO 13934-1: 1999	≥ 300N	Warp 1531N Weft 1030N	Pass
6.5.1 Tear strength	ISO 13937-2: 2000	≥ 15N	Warp 97.0N Weft 65.7N	Pass
7.2 Convective heat (Code letter B)	ISO 9151: 1995	Level HTI <sub>24</sub> B1 ≥ 4.0s B2 ≥ 10.0s B3 ≥ 20.0s (Based on lowest result)	Specimen HTI <sub>24</sub> 1 ≥ 6.9s 2 ≥ 7.3s 3 ≥ 6.9s	Level B1
7.3 Radiant heat (Code letter C)	ISO 6942: 2002 Method B at 20kW/m <sup>2</sup>	Level RHTI <sub>24</sub> C1 ≥ 7.0s C2 ≥ 20.0s C3 ≥ 50.0s C4 ≥ 95.0s (Based on lowest result)	Specimen RHTI <sub>24</sub> 1 ≥ 73.2s 2 ≥ 66.0s 3 ≥ 67.2s	Level C3
7.4 Molten aluminium splash (Code letter D)	ISO 9185 : 2007	Level Al D1 ≥ 100g D2 ≥ 200g D3 ≥ 350g	Spec. g Skin simulant 1 345 Undamaged 2 355 Undamaged 3 352 Undamaged 4 353 Undamaged	Level D3
7.5 Molten iron splash (Code letter E)	ISO 9185: 2007	Level Fe E1 ≥ 60g E2 ≥ 120g E3 ≥ 200g	Spec. g Skin simulant 1 203 Undamaged 2 204 Undamaged 3 204 Undamaged 4 202 Undamaged	Level E3
7.6 Contact heat (Code letter F)	ISO 12127: 1996 T <sub>c</sub> = 250°C	Level Fe F1 ≥ 5.0s F2 ≥ 10.0s F3 ≥ 15.0s	Specimen t <sub>t</sub> 1 ≥ 8.8s 2 ≥ 9.1s 3 ≥ 8.9s	Level F1

