

FirePro Plus Aluminised PU Coated Glass Cloth

FirePro Plus Technical Data Sheet - 7766PU109

FirePro Plus Aluminised PU Coated Glass Cloth

Aluminium Pigmented Polyurethane Coated E-Glass Cloth

Product code: 7766PU109

Finished Fabric	Units	Value	Tolerance
Weight	g/m ²	700	±5%
Thickness	mm	0.6	±5%
Useable width (standard)	mm	1500 (supplied slit to 1000mm)	±5%
Roll length (standard)	m	50	
Maximum operating temp. (see fire safety table)	°C	550	
Colour		Silver/grey coating one side, white untreated fibres opposite side	

Base fabric construction: 660 g/m² (±5%), 8H satin weave, warp 16.0/cm (±5%), weft 15.0/cm (±5%), yarn count EC9 204 (warp & weft).

Tensile strength: Warp 1280 N/cm (±10%), Weft 1000 N/cm (±10%).

Treatment/coating: 40 g/m² (±10%) aluminium pigmented PU coating on one side only.

Comments: Base fabric withstands continuous temperatures up to 550°C unstressed. The PU coating begins to thermally degrade above 90°C, leaving behind micronized aluminium particles which enhance the cloth's ability to withstand direct heat and to reflect radiated heat. The PU coating is an economical finish which stabilises the glass fibres, allowing for easier cutting/tailoring.

Fire safety summary

Parameter	Value	Notes
Base glass fibre	Inherently non-flammable	Standard property of E-glass fibre

Continuous operating temperature (unstressed)	Up to 550°C	Base fabric rating
PU coating limit	Begins to degrade above 90°C	Leaves micronized aluminium residue which continues to reflect/resist heat
Fire classification	Not tested/stated	No EN 13501-1 or equivalent classification held for this product

All figures above are reproduced from the underlying textile manufacturer's technical data and are guides only. Tolerances apply as stated. If any value is of critical importance to your application, we strongly recommend independent testing. Test methods mentioned are guides only; actual methods may differ slightly in practice. Suitability of the product for any specific application is at the discretion of the user.

[FirePro Plus contact details]