

FireShield®

on 30gsm or 35gsm Glass Tissue Substrate
(Applies to all forms of FireShield®, including “W” and “HT”)

Characteristics

The product consists of 13µ-18µ glass fibres, bound by a modified Acrylic resin and impregnated with a low smoke, intumescent, fire retardant chemical which is compatible with industrial grade epoxy, vinyl ester and polyester resins.

Application

FireShield on 35gsm glass tissue substrate can be used in standard liquid moulding processes, hand lay-up, vacuum bagging, RTM etc. The substrate is not suitable for resin-infused pultrusion.

Note that this product has low shear, and is not recommended where 3D curves have to be followed.

Fire Shield is to be treated in the same manner as a reinforcement ply located just below one or both outermost surfaces of the laminate. FireShield may also be used to encapsulate the entire surface of the composite. Refer

www.reginaglass.com.au/laminate-manufacture.html

Note that the product has longer wet-out than plain tissue, and adjustments may be necessary to production to allow for this. For pultrusion check that the product is sufficiently strong enough.

Property	Data
Mass	180 or 185gsm +/- 10%
Nominal Thickness	500micron (0.50mm)
Solubility in Styrene	Binder is Soluble
Binder type	Polystyrene
Standard Widths	1000, 1200, 1400 + 2000mm
Standard Roll Lengths	100m

Products can be made to order, at different mass, thickness and width to the above, and with roll lengths to suit available handling equipment.

These specifications are subject to change without notice.

Handling

Handle the packs carefully. Knocks or blows may cause chemical to be dislodged from the substrate.

Storage

Keep FireShield in the original pack until ready to use.

In the event of damage to the pack, the product may require drying before use.

Installation of FireShield protected laminates

Refer to Post Production Practices at www.reginaglass.com.au/laminate-manufacture.html#ppp

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