

PRODUCT INFORMATION

REGINA “AL” SURFACE TISSUE

Characteristics

The tissue is made from five or six layers of continuous fibres, 12 micron dia., of a low – melt, corrosion resistant glass, C –glass (ASTM C162-93) randomly dispersed across the sheet. The corrosion resistance is Acid Class 1, (DIN12116), Alkali Class 2 (DIN52322) and Hydrolytic Class 3 (DIN12111). The binder, a styrene acrylate copolymer, is compatible with all types of vinyl-ester, polyester and epoxy resins.

Application

Regina P250AL to P900AL surface tissue has been designed for use for the surface protection of FRP/GRP products, where a high quality surface finish is required without the cost of a full gel-coat, or where there is risk of “print through” of the reinforcing mat. Correct use will avoid cracking or crazing of the coating and can reduce water penetration. Any intermediate thickness can be produced between 250 micron and 900 micron.

The AL surface tissue is used in the inner corrosion barrier to form a resin-rich layer, and also in the exterior layer to provide resin-richness for additional weathering protection. The tissue meets the requirements of British Standards BS 4994, “Design and Construction of Vessels and Tanks in Reinforced Plastics” and American Standard ASME/ANSI RPT-1-1989, “Reinforced Thermoset Plastic Corrosion Resistant Equipment”.

Technical Data

CODE:		P250AL	P500AL	P900AL			
Mass (gsm) +/- 3		22g/m ²	40g/m ²	78 g/m ²			
Nominal Thickness		250 micron (0.25mm)	500 micron (0.50mm)	900 micron (0.90mm)			
Resin absorption (theoretical)		220g/m ²	420g/m ²	770g/m ²			
Styrene monomer solubility	Insoluble in styrene monomer						
Binder Type	Acrylic Polymer						
Binder Content	6%-8%						
Wet Out (Company Test)	5 sec in unsaturated polyester						
Standard Widths	1000mm						
Standard Roll Lengths	200m or 250m						

These specifications are subject to change without notice, and are sold subject to our standard condition of sale. Products can be made to order, at different mass, thickness and width to the above, and with roll lengths to suit your needs. The user must be satisfied that the product is entirely suitable for the purpose.

