

613\_53381013 INFORMATION

# SURFACE TISSUE

## Characteristics

The tissue is made from five or six layers of continuous fibres, 12 micron diameter of a low-melt, corrosion resistant glass, C-glass (ASTM C162-03), Randomly dispersed across the sheet. The corrosion resistance is Acid Class 1, (DIN12116), Alkali Class 2 (DIN 52322) and Hydrolytic Class 3 (DIN12111). The binder, styrene acrylate copolymer, is compatible with all types of vinyl-ester, polyester resins

## Application

P250LN to P500LN surface tissue has been designed for use for the surface protection for Glass Reinforced Plastics (GRP) Products, but more specifically for the exacting standards of translucent roof sheeting. The tissue is intended for manufacturers of polyester glass reinforced laminated sheets. The material has been successfully used in translucent sheeting in Australia. Any intermediate thickness can be produced between 250 micron and 900 micron.

The LN surface tissue has a wet out time of approximately four seconds, when used in the translucent sheeting industry. The tissue meets the requirements of Australian Standard AS4237 Parts 4,5 & 9 "Testing of plastic building sheets".

Technical	Data Product Code	P250LN	P300LN	P500LN
	Mass (g/m <sup>2</sup> )	20-22	25-27	42-45
	Nominal Thickness	0.25	.30	.50
	Glass Type	C-Glass (Chemically Resistant)		
	Fibre Diameter (Microns)	12 to 13		
	Resin absorption (theoretical)	210	250	420
	Binder Typt	Polystrene		
	Binder Content	8% to 10% by mass		
	Solubility in Styrene	Soluble		

These specifications are subject to change without notice, and are sold subject to our standard conditions of sale. Products can be made to order, at different mass, thickness and width to the above, and with roll lengths to suit.

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# PRODUCT INFORMATION

## SURFACE TISSUE

### Characteristics

The tissue is made from five layers of continuous fibres, 12 micron dia., of a low-melt, corrosion resistant glass, C-glass (ASTM C162-03), 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.

P 250 SA or P500 SA 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 Standard 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".

### Application

P250SA to P500SA 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 a risk of "printing through" of the reinforcing mat. Correct use will avoid cracking or crazing of the coating and can reduce water penetration. Any intermediaste thickness can be produced between 250 micron and 500 micron

Technical	Data Product Code	P 250SA	P 500 SA
	Mass	20g/m <sup>2</sup>	40g/m <sup>2</sup>
	Nominal Thickness	250 micron (0.25mm)	500 micron (0.50mm)
	Styrene monomer solubility	Insoluble in styrene monomer	
	Resin absorption (theoretical)	220 g/m <sup>2</sup>	770 g/m <sup>2</sup>
	Binder Type	Acrylic Polymer	
	Binder Content	6% - 8%	
	Standard Widths	1000mm	
	Wet Out (Company Test)	10 sec in unsaturated polyester	
	Standard Roll Lengths	200m or 250m	

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