

PRODUCT APPLICATIONS

High Quality Surface Finishes G.R.P Industry

Gel-coats, or resin-rich surfaces, are ideally 0.45mm thick. This thickness can be assured by including in the coat a high porosity Surface Tissue, with a thickness about 0.25mm.

The use of surface tissue adds chemically resistant tissues to the Gel-Coat, ensuring an even thickness, freedom from cracking and a long life product.

If you are moulding such things as crash helmets, railway station seats, sail or power board hulls, canopies, roof sheeting, shipping container panels, water systems or oil tanks, and you want them to last, use Regina Surface Tissues.

Corrosion Protection for steel pipelines

Pipe wrap tissue is used as a carrier and reinforcement for bituminous or coal tar preparations in corrosion protective coatings on buried steel pipelines.

Inert, with a high rate of insulation against stray electrical currents to reduce electrolytic corrosion, its uniform porosity allows the bitumen or coal tar to bleed through evenly to give a constant pipe protection.

It has a high resistant to moisture and micro-organisms, and it will not rot or decay. Used also for joint ceiling of land drainage pipes, it is tough and has a high resistance to the acids and alkalis found in most soils.

Paint Reinforcement

Surface tissues are often used to reinforce paint systems on the internal and external walls of buildings where "hair cracking" has occurred. Other applications for reinforced paints are above ground steel pipelines and steel storage tanks. The inclusion of a glass fibre tissue in a paint film ensures even thickness and dimensional stability of the paint, as it is reinforced by a web a very fine inert glass fibres which will not rot or decay.

Our CoverCrakZ product easily covers cracks and stops flaking and peeling of painted surfaces.

Glass Wool

This product has a rang of uses, including:

- Noise and heat insulation, such as motor silences and bakery ovens
- Non-rot, non-decay, non-conductive applications for packing and insulating;
- Window dressing, artificial cobwebs and snow
- Aquarium and Swimming pool filtration

Improved weathering, reduced water penetration

Surface tissue is used in the G.R.P. Industry when the need for good weathering or wearing surfaces as well as good appearance is paramount. It reinforces the resin-rich surface, giving a constant thickness, eliminating 'pinholing' normally caused by the presence of air bubbles in the resin, and prevents crazing. Uses for surface tissues include canopies, roof sheeting and pipes, plus structures requiring watertight surfaces such as boats, tanks and swimming pools.

FireShield®

FireShield® was developed by the CRC for Advanced Composite Structures, to achieve high strength/weight ratios in aerospace laminates, while providing the benefits of intumescent fire protection.

By Placing FireShield® just below the laminate surface this elegant solution avoids the loss of strength and stiffness of the laminate, inherent in filling the base resins with intumescent chemicals. Toxic gas and smoke generation are minimized, as there are no halogen based chemicals.

Under fire, flame or heat attack, a reinforced char layer is produced on the laminate surface, insulating the product and inhibiting the passage of oxygen, thus smothering the flame.

PRODUCT APPLICATION GUIDE

	Surface Tissue LN	Surface Tissue SA	Moulding Tissue	Pipewrap	Irrigation Mat	Irrigation Mat, Reinforced	Battery Separator Felts	Black Coated Tissue	CoverCrakZ®	Glass Wool	FireShield®
Acid Proofing	•	•	•	•							
Acoustic Insulation								•			
Batteries							•				
Boat Building	•	•	•								•
Building											•
Canopies	•	•									•
Civil Engineering Works				•							
Composite Fire Protection											•
Corrosion Protection	•	•		•							
Dam Lining		•	•								
Filtration		•								•	
G.R.P Industries	•	•	•								
Insulation & Packaging										•	
Interior Decoration		•							•	•	
Irrigation Systems					•	•					
Manufacturing	•	•	•	•			•	•		•	•
Painting	•	•	•						•		
Pipeline Protection				•							
Plumbing				•							
Roof Sheeting	•	•									•
Roofing	•	•									•
Steel Pipe Protection		•		•							
Storage Tank Protection	•	•		•							•
Swimming Pools	•	•									
Thermal Insulation										•	•
Translucent Sheeting	•	•									•
Vehicle Silencers										•	
Wall Coverings	•	•									•