

EPOSHIELD FG

Chemical Resistant Epoxy Lining Resin

Chemical resistant Epoxy resin designed for demanding acid or highly alkaline environments in the food industry. Complies with FDA CFR 175.300 for food contact.



BENEFITS:



Excellent chemical resistance. Applied as a roller coat or in combination with glass fiber reinforcing membrane and chemical resistant C glass veil for optimum chemical resistance



Extremely tough and durable



Low odour, Non-tainting to food



Good temperature tolerance

TECHNICAL DETAILS

Application	Roller
Chemical Resistance	Excellent, please refer to chemical chart
Profile	Smooth
Finish	Gloss
Pot Life	35 – 45 min
Application Temp	5-30°C
Compressive strength	>80 MPa
Service Temp	80°C max dry
Elongation at break	1.2%
Dry Film Thickness	0.5 – 1.0 mm
Recommended coats	2 plus primer
Colour	Please refer to colour chart
Walk on time	12 hours at 20°C
Full Cure	3 days



*Product colours may differ from the ones shown above. For a full colour chart or for samples contact your nearest Technical Finishes branch. UV exposure causes yellowing, most prominent in light colours.

APPLICATIONS

- Pulp and paper industry
- Sugar industry
- Petroleum industry
- Ablutions
- Concrete storage tanks
- Food storage tanks
- Water tanks
- Chemical resistant to 30% Sulphuric acid, 20% HCL, 5% Acetic acid, 30% Sodium Hydroxide

APPLICATION

This is a specialized system that must be installed by an approved applicator with documented quality assurance. Consult Technical Finishes for a list of approved applicators.

SUBSTRATE REQUIREMENTS

Surfaces to be coated must be clean and free of dust, oily residues and loose friable material. All surfaces to be suitably prepared using grinders, shot blasting or scarifiers to remove laitance. Substrate must be a concrete screed Grade 2 evenness and must be a minimum of 20MPa compressive strength and must have a tensile pull of exceeding 1,5 MPa. The substrate should be dry to 75 % RH (BH 8204) and free from rising damp or ground water pressure. Consult Technical Finishes Technical department for a suitable primer.

HEALTH AND SAFETY

The system contains styrene and all appropriate PPE must be worn. Please consult Health & Safety Data sheet for each product.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.