

EPIGARD

Waterproof Membrane

Description

A two component resin extended epoxy high build coating characterised by its inbuilt flexibility, excellent adhesion and resistance to water and a wide range of chemicals. Epigard will successfully protect concrete structures including bridge abutments, wing walls and bearing shelves, drainage channels, silos and tanks.

Advantages

- No primer required.
- Excellent bond strength.
- Good chemical and abrasion resistance.
- Inbuilt flexibility.

Technical Information

Colour:	Black
Mixing Ratio:	Only Full Packs
Pot Life @ 20°C:	65 mins.
Pot Life @ 5°C:	2 hours+
Full Cure:	7 days
Touch Dry:	After 24 hours @ 20°C
S.G. @ 20°C:	1.31
Minimum Application Temperature:	7°C
Maximum Intercoat Adhesion Period:	48 hours @ 20°C
Coverage:	20 - 30 m ² per 5 kg unit per coat
Dry Film Thickness:	127 - 190 micron for 2 coats

Surface Preparation

All surfaces should be clean, dry, free from oil, grease and chemical contamination. Oil and grease can be removed using Desolve. Concrete surfaces should be free from laitance, this should be removed by either scarifying, wire brushing or preferably by high pressure water or sand blasting. Blow holes or other surface irregularities should be repaired using Nupatch Cosmetic or Epolite. Concrete surfaces should be at least 21 days old.

Chemical Resistance

Performance of Epigard tested by total immersion in industrial chemicals

Acids	
Hydrochloric Acid (Conc.):	Fair
Nitric Acid 25%:	Good
Sulphuric Acid 50%:	Good
Lactic Acid 10%:	Good
Acetic Acid 25%:	Fair
Citric Acid 20%:	Good
Alkalines	
Sodium Hydroxide 50%:	Good
Ammonia 10%:	Good
Solvents	
White Spirit:	Good
Methylated Spirit:	Good
Xylene:	Good
Butanol:	Good
Oils	
Lubricating Oil:	Good
Petrol:	Good
Skydrol:	Good
Aqueous Solutions	
Sodium Hypochlorite (Bleach):	Good
Sugar Solution (Saturated):	Good
Salt (Sodium Chloride Saturated):	Good
Ammonium Sulphate (10%):	Good

Application Instructions

Epigard may be applied by brush, roller or airless spray. The first coat may be thinned with up to 10% of Nuwash to aid application. Two coats are normally applied. All equipment should be cleaned with Nuwash immediately after use.

Mixing

The entire contents of the hardener tin are added to the base tin and slowly stirred until thoroughly mixed whilst taking care not to entrain air into the mix.

Packaging

Epigard is available in 5 kg units.

Limitations

Do not apply at temperatures below 7°C.

Storage

Epigard should be stored at normal room temperatures. If stored in cold conditions the containers should be warmed prior to mixing and application procedure. Epigard should be stored away from foodstuffs and out of the reach of children.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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