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Technical Data Sheet

EPIGARD Fastrac

Product Description

Epigard Fastrac is a highly advanced, two part epoxy-based resin primer and sealer specifically designed for use over concrete substrates without effective damp proof membranes and which are either too damp or insufficiently cured to allow the use of standard primers.

When cured, Epigard Fastrac is suitable as an undercoat with all Epigard finishing systems and most Uragard performance screed systems.

Key Benefits

- Excellent adhesion to wet, damp or partially cured concrete
- Provides a vapour-proof barrier to rising dampness
- Solvent free
- Easy to apply

Technical Data

John L. Lord & Son Ltd is an ISO 9001:2008 accredited company and all products are manufactured strictly to ISO quality standards.

Performance Data

Epigard Fastrac Primer/Sealer Part A:

Density at 20°C:	1130kg/m^3
Medium Epoxide Equivalent Weight:	192
Flash Point:	130°C
Viscosity at 25°C:	700 +/- 50 m Pa s
Water Permeability:	Nil
Bond strength to concrete	Exceeds cohesive strength @ 30N/mm^2

Epigard Fastrac Primer/Sealer Part B:

Density at 20°C:	1010kg/m^3
Solid Content:	100%
Flash Point:	Ca 76°C
Viscosity at 25°C:	1500 +/- 500 m Pa s
Water Permeability:	Nil

All figures are measured and expressed under laboratory conditions: Actual performance may vary from the above values depending upon site conditions.

Physical Properties

Complies with BS 8204-6 / FeRFA Type 1,

Finish:	Gloss
Thickness:	0.25kg/m^2 to 0.3kg/m^2
Standard Colours:	Transparent

Chemical Resistance

Resistant to a wide range of acids, alkalis oils and greases. For full details consult the John Lord Technical Dept.

Curing Time

At 18°C, the primer/sealer is ready for overlaying in 6 to 8 hours.

Shelf Life and Storage

The product should be kept in its original unopened container until use.

The product should be stored in weather tight conditions at temperatures between 10°C and 25°C, avoiding direct sunlight. Under these conditions this product has a shelf life of up to 12 months.

Application Information

John Lord recommends that all products are installed by their own Contracts Department who provide a professional service with experienced Project Management supervision and skilled, trained and NVQ/CSCS approved employees.

Suitable Applications

- Wet, damp or partially cured concrete
- Environments with excessive humidity

Substrate Suitability and Preparation

A separate technical data sheet is available on 'Substrate Suitability and Preparation'.

Application Temperature

Correct temperature is critical to the successful application of Epigard Fastrac and air temperatures should be maintained between 15ºC and 20ºC during the application and curing period of this product. We also strongly recommend that the application area is heated to temperatures of between

Application Temperature (cont.)

15ºC and 20ºC for up to 24 hours prior to application to allow the ambient and substrate temperatures to regulate before the application commences. Materials should also be kept in a warm area of 12ºC minimum temperature for 12 hours prior to application.

System Application

Mix the pre-weighted Part A and Part B together by adding Part B to Part A and mixing with a slow speed electric paddle mixer until homogenous. Mix for no longer than one minute. Apply evenly to the substrate with a lambs' wool roller or brush. Ensure complete coverage. Avoid excessive application or ponding. Application rates will vary depending on surface profile, porosity and quality of the substrate. A second application may be required to achieve full penetration and this should be carried out 8 - 24 hours after the first application. A resin finishing system should be applied 6 to 12 hours after application of Epigard Fastrac, providing it has gelled to a sufficient degree such that no Fastrac is removed when touched with gloved hand. Ensure adequate ventilation during application.

Independently tested and approved by the Materials Laboratory Services of the BRE for compatibility on wet concrete and resistance to moisture from behind: In accordance with prEN1504 Part 2 1998.

Statement of Responsibility

The technical data and application information within this John Lord Technical Data Sheet is provided as an introduction to the system only and may vary according to on-site or environmental conditions. As the information provided is of a general nature, no guarantee is implied and it is the responsibility of the client or user to discuss in detail with John L. Lord & Son Ltd the suitability of the product for a particular application. John L. Lord & Son Ltd cannot accept any responsibility for work and the subsequent performance of their systems that are not controlled by their own contracting services.

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