



Product Description

Epigard SF is a heavy-duty epoxy resin based floor coating system which has been designed specifically to offer superior performance over many widely-available floor coating products. The system has excellent abrasion and wear resistance characteristics ensuring that it can be applied with confidence to floor areas subject to constant heavy traffic. Epigard SF is also suited to areas where floor demarcations and/or ease of cleaning are required.

Key Benefits

- Chemical resistant
- Long term performance and durability
- Easy to clean
- Optional anti-slip finish
- Colour stable
- Wide colour range available

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

Bond Strength to Concrete:	Exceeds cohesive strength @ 30N/mm ²
Temperature Resistance:	Constant up to 70°C
Flash Steam Cleanable:	No
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 2/3; System Make-Up:

Primer(s):	1 coat Epigard SF Primer
System:	2 or 3 coats Epigard SF
Sealer Coat(s):	None
Optional Variations:	Anti-slip variation with broadcast aggregate in intermediate coat

System Details:

Finish:	Smooth, glossy
Thickness:	0.2mm to 2mm
Standard Colours:	RAL Classic Colour Range

Chemical Resistance

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

Curing Time

A completed Epigard SF floor coating can go into service after the following minimum cure periods at 18°C and above:

Foot Traffic:	24 hours
Light Traffic:	48 hours
Heavy Traffic:	5 days
Full Chemical Cure:	7 days

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.

Standard Colour Range

		
Dark Blue	Green	Light Grey
		
Lilac	Mid Blue	Off White
		
Terracotta	Red	Yellow

As screen and print settings are beyond our control, these colours are an indication only. Please request product samples for accurate colour information of any of these nine standard colours or a bespoke colour.

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

- Chemical Processing
- Wet and Dry Production Areas
- Warehousing
- Pharmaceutical Industry
- Walkways and Demarcations
- Leisure and Catering
- Workshops and Plant Rooms
- Retail
- Wall Protection

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 SF and air temperatures should be maintained between 15°C and 23°C during the application and curing period of this product. We also strongly recommend that the application area is heated to temperatures of between 15°C and 23°C 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 15°C minimum temperature for 12 hours prior to application. De-humidifiers must be used where high humidity conditions prevail. Ensure adequate ventilation during application.

Priming

The dry, prepared, dust-free and rust-free substrate should receive a roller-applied coat of Epigard SF primer, and be left to cure fully overnight, before applying the first build coat of Epigard SF.

System Application

The application of Epigard SF is normally undertaken at a rate of one build coat per day allowing for overnight drying. To achieve a deep gloss smooth finish, at least two or three coats are recommended. Each build coat should be roller-applied. An optional anti-slip finish for wet or slippery environments is achieved by broadcasting a specially formulated aggregate into the second coat, before applying further coats.

Joints

All known expansion joints should be followed through the resin floor finish using Epiflex Jointing Mastic. If concrete movement or cracking takes place after application then reflective cracking of the topping may occur.

In-Service Maintenance

Good housekeeping and regular cleaning can considerably extend the service life of a resin coating and will enhance the floor's appearance and reduce soiling tendencies.

Suitable cleaning methods for this product include:

- Rotary scrubbing machine or warm water washing (up to 60°C) with suitable detergent products – see John Lord Cleaning Guide for further details.

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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