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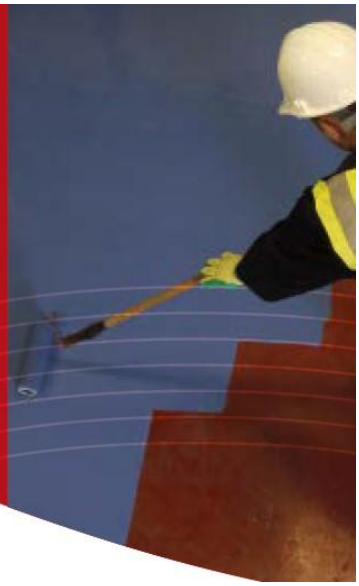

Technical Data Sheet

Epigard SF

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.

Physical Properties

Complies with BS 8204-6 / FeRFA Type 2/3, System Make-Up:

Primer(s):	Self-priming
System:	2 coats of Epigard SF
Optional Variations:	Biocide additive, anti-slip finish

System Details:

Finish:	Solid colour, gloss finish
Thickness:	0.2 mm per coat

Chemical Resistance

Highly resistant to a wide range of chemicals including organic solvents, acids and alkalis. For full details consult the John Lord Technical Dept.
Note: Discolouration or staining may occur when exposed to some chemicals based on the nature of the spill and cleaning regime followed.

Performance Data

Bond Strength to Concrete:	Exceeds cohesive strength at 30 N/mm^2
Temperature Resistance:	Constant 0°C to 70°C Occasional spillages up to 100°C
Abrasion Resistance:	BS8204-2 Class AR1:< 0.1 mm
Water Permeability:	Nil

Uragard SF is classified as Low Slip Potential Flooring (dry, and wet with anti-slip finish)) as described in 'The Assessment of Floor Slip Resistance: The UKSG Guidelines issue 4 / 2011'. Results were obtained from tests carried out by the Health and Safety Laboratory (HSL) and from our own internal laboratory tests.

All figures are measured and expressed under laboratory conditions. Actual performance may vary from the above values depending upon site conditions, and whether smooth or anti-slip.

Curing Time

A completed resin floor can go into service after the following minimum cure periods at 15°C and above:

Light Traffic:	24 hours
Heavy Traffic:	72 hours
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 6 months.

Standard Colour Range

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 & Dry Production Area
- Warehousing
- Pharma, Leisure, & Retail Environments
- Walkways & Demarcation
- Workshops & Plant Rooms

Application Temperature

Air and substrate temperatures should be maintained between 12°C and 20°C during the application and curing period of this product. Materials should also be kept in a warm area of 15°C minimum temperature for 12 hours prior to application. Dehumidifiers must be used where high humidity conditions prevail. Ensure adequate ventilation during application.

Priming

Epigard SF is a self-priming system that can be applied directly applied onto mechanically prepared substrates.

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 screed floor and will enhance the floor's appearance and reduce soiling tendencies.

Suitable cleaning methods for this product include:

- Rotary scrubbing machine or hot water washing (up to 80°C) with suitable detergent products. See John Lord Cleaning Guide for further details.
- Flash steam clean is suitable on an occasional basis.

Statement of Responsibility

The 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 Lord the suitability of the product for a particular application. John Lord cannot accept any responsibility for work and the subsequent performance of their systems that are not controlled by their own contracting services. John Lord reserve the right to alter information in this document without prior notification; it is the responsibility of the client or user to obtain the most recent issue.