

Technical Data Sheet

EPIGARD

Gel Grout

DESCRIPTION

Epigard Gel Grout is an epoxy-based, semi-thixotropic sealer/ finishing coat that has been designed for use in conjunction with Epigard flooring systems. Gel Grout provides a durable, chemical resistant seal for semi-porous finishes.

KEY BENEFITS

- Smooth gloss finish
- Highly durable
- Wear and impact resistant
- Chemical resistant
- Easy to clean
- Static, gel-like consistency

TECHNICAL DATA

John Lord is an ISO 9001:2000 accredited company and all John Lord products are manufactured strictly to ISO quality standards.

Performance Data

Weight:	1.1 kg/cm ³
Pot Life:	15 – 20 minutes at 18°C
Temperature Resistance:	Constant up to 50°C
Flash Steam Cleanable:	No
Water Permeability:	Nil

All figures are measured and expressed as per laboratory conditions. Actual performance may vary from the above values depending on site conditions.

Physical Properties

Complies with BS 8204-6 / FeRFA Type 1

System Make-Up:

Primer (s)	None
System	1 or 2 applications Epigard Gel Grout (semi-porous/ profiled surfaces)
Sealer Coat (s)	P.C. Glaze top coat (when used in conjunction with Epigard S.Q floor screed)
Optional Variations	None

System Details:

Finish:	Smooth, gloss finish
Thickness:	0.2 – 0.5 mm
Standard Colours:	Transparent. Can be tinted.

Chemical Resistance

Resistant to a wide range of acids, solvents, oils, greases, salt solutions and fuels. For full details visit our website: www.john-lord.co.uk/products/technical-guides.php or consult John Lord Technical Dept.

Curing Time

Floor can go into service after the following minimum cure periods at 18°C and above:

Light traffic:	24 hours
Heavy traffic	48 hours
Full Chemical Cure:	7 days

Shelf Life / 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.

In-Service Maintenance

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

Suitable cleaning methods for this product include:

- Rotary scrubbing machine and /or warm water washing (up to 60°C) with suitable detergent products – see John Lord Cleaning Guide for further details
- Flash steam cleaning is suitable on an occasional basis

APPLICATION INFORMATION

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

Suitable Applications

- As a sealer / finishing coat for epoxy and polyurethane based floor finishes eg. Epigard S.Q
- Showrooms/ Foyers
- Canteens
- Retail / Leisure facilities
- Hospitals

- Laboratories
- Dry processing/ packaging facilities

Substrate Requirements

Epigard Gel Grout is typically applied over fully cured epoxy or polyurethane-based resin floor finishes. In order to achieve a good quality floor finish, the following substrate requirements should be met. All epoxy or polyurethane screed substrate surfaces should have initial cure phase complete (ie. 12-15 hours @ 18°C and above minimum). The screed surface should be smooth and level, and of a good general standard.

Substrate Preparation

Careful preparation of the substrate is essential. A detailed inspection of the substrate must be undertaken to ensure that all minor imperfections such as minor trowel marks and/or small screed 'nibs' are removed before application, by lightly sanding/ de-nibbing these areas accordingly.

Application Technique

Temperature: Correct temperature is critical to the successful application of Epigard Gel Grout and air temperatures should be maintained between 18°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 18°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 2-3 days prior to application. De-humidifiers must be used where high humidity conditions prevail. Ensure adequate ventilation during application,

and protection or removal of all foodstuffs stored within the immediate vicinity of the application area.

Priming: No priming is required prior to application of Epigard Gel Grout.

System: Epigard Gel Grout is a two-part system that requires thorough slow-speed mixing until a homogenous semi-thixotropic liquid is obtained. Over-mixing should be avoided as this can cause the mixture to tack-off prematurely. Once mixed, apply an even coating of Epigard Gel Grout to the substrate by white pivot-head squeegee, ensuring the impregnation of any porous areas. Leave for a minimum of 12 hours to cure. Repeat a second application as required.

Joints: All known movement joints in the substrate 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.

Precautions

Appropriate PPE such as gloves, goggles and barrier cream should be worn during mixing and application of this product. Product should not come into contact with the skin or eyes, or be swallowed. Avoid inhalation.

For full health and safety hazard information, please refer to the John Lord Safety Data Sheet (SDS) for each component of this product. COSHH and SDS documents can be obtained from our Bury Office or via our website www.john-lord.co.uk.

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, the suitability of the product for a particular application or requirement beforehand. John L. Lord & Son cannot accept any responsibility of work and the subsequent performance of their systems that are not controlled by their own contracting services.

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