



## PRODUCT DESCRIPTION

Epiflex Jointing Mastic is a 'traffic grade' polyurethane-modified epoxy flexible jointing compound. It has been designed to provide excellent chemical resistance and durability together with a high degree of flexibility, making it suitable for sealing floor joints subject to on-going movement.

Epiflex Jointing Mastic is used as a matching joint sealant for the full John Lord range of resin flooring systems and industrial tiling systems.

## KEY BENEFITS

- Good flexibility
- Good colour matching to Urargard HT range
- Chemical Resistant
- Solvent free
- Highly Durable
- 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.

### Physical Properties

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

|                      |                                       |
|----------------------|---------------------------------------|
| Primer(s):           | None as standard                      |
| System:              | Single application of Epigard Epiflex |
| Optional Variations: | None as standard                      |

### System Details:

|                      |                     |
|----------------------|---------------------|
| Finish:              | Solid colour, satin |
| Min Joint Thickness: | 15 mm               |
| Joint Width:         | 5 mm to 50 mm       |

## 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

|                                |   |
|--------------------------------|---|
| Density:                       | 1.2 g/cm <sup>3</sup>   |
| Tensile Strength:              | 1.8 N/mm <sup>2</sup>   |
| Elongation at Break:           | 20 - 23 %   |
| Movement Accommodation Factor: | 10 %  |
| Shore A Hardness:              | 65 - 75   |
| Temperature Resistance:        | Constant from -10°C to 80°C.<br>Occasional splashes up to 100°C |
| Flash Steam Cleanable:         | Yes   |
| Water Permeability:            | Nil   |

Epigard SF is classified as Low Slip Potential Flooring (dry and wet) 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:     | 48 hours |
| Full Chemical Cure | 7 days   |

## SHELF LIFE AND STORAGE

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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

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Red

Terracotta

Buff



Green



Dark Grey

*These colours are an indication only. Please request samples for accurate colour tiles.*

### Optional Colour Range



Midnight Blue

*Blue uses organic pigments which have instability under differing shear rates and atmospheric conditions. This can lead to increased variance between mixes. Blue Epigard Epiflex is a lighter shade than the screed due to manufacturing constraints. Please contact your John Lord representative.*

### APPLICATION INFORMATION

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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/Dry Processing Areas including Food Processing
- Breweries & Dairies
- Manufacturing Facilities
- Chemical Processing
- Warehouses
- Pharmaceutical Production Facilities
- Clean Rooms
- Heavily Trafficked Floor Areas
- Workshops

#### 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.

#### Application Temperature

Air temperature should be maintained between 12°C and 30°C during the application and curing of this product. Materials should be kept in a warm area of 12°C minimum temperature for 12 hours prior to application.

#### Priming

Normally no primer is required; however porous substrates should be primed with a single coat of Epigard Fastrac primer.

#### System Application

Add the full contents of the hardener container to the full contents of the resin container and mix thoroughly with a slow speed electric drill fitted with an elliptical paddle until an even consistency is reached. Once mixed, the Epiflex Jointing Mastic is poured into the joint to the level of the surrounding floor. In order to obtain a straight edge joint, the edges are masked using a self-adhesive tape: Removed before initial cure. Once the material has had time to flow and fill the joints it may be necessary to top up the mastic level.

Epiflex Jointing Mastic can be applied to joints between 5mm and 50mm wide. A square joint geometry is recommended for joints of more than 25mm wide. The minimum joint depth should be 15mm where there is solid support, ie. concrete, resin, polymer modified or granolithic screed. Where compressive filler is already present the minimum depth of sealant required is 25mm to prevent shearing from the joint sides.

## IN-SERVICE MAINTENANCE

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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

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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.