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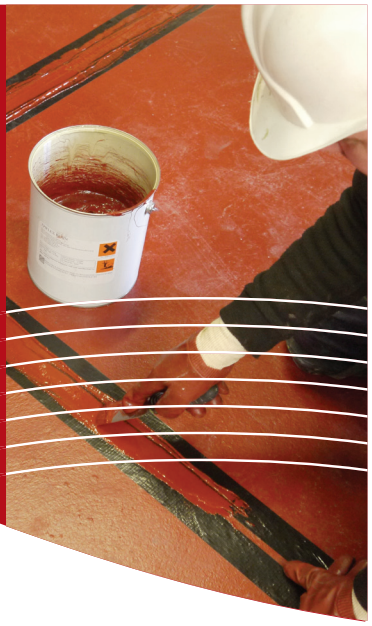

Technical Data Sheet

EPIFLEX Jointing Mastic

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
- Chemical resistant
- Highly durable
- Easy to apply
- Good colour matching to resin flooring range
- Solvent free

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

Tensile Strength (BS 2782):	23 N/cm^2
% Elongation at Break (BS 2782):	70/90%
Shore 'D' Hardness:	40-50
25% Modulus of Compression:	8 N/mm^2
Compression Set at 25%:	3% after 24 hours
In-service Accommodation:	15-20%
Temperature Resistance:	Constant from -10ºC to 85ºC
Flash Steam Cleanable:	Yes
Water Permeability:	Nil
Pot Life Once Opened:	50 to 70 minutes

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

Physical Properties

System Details:

Primer(s):	Smooth/semi-gloss
Minimum Joint Depth:	15mm
Joint Width:	5mm to 50mm
Optional Variations:	Addition of atomised silica to provide thixotropy

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

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

Light Traffic:	24 hours
Heavy Traffic:	48 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 10ºC and 25ºC, avoiding direct sunlight. Under these conditions this product has a shelf life of up to 12 months.

Pot life once opened is 50 to 70 minutes.

Standard Colour Range

Red | Buff | Terracotta

Green | Grey | Cream

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 six standard colours.

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

Substrate Suitability and Preparation

Epiflex Jointing Mastic is suitable for filling joints in polyurethane, epoxy, polymer modified and granolithic screeds. It can also be suitable for metal and concrete floor and wall finishes subject to their soundness for heavy industrial use. Substrates should be free from:

- Dust, oil, grease, rust and contamination
- Any unseen defects such as structural instability or intermediate delamination
- Dampness and moisture

Joint Preparation

Careful preparation of all joints is essential. Joints should be thoroughly cleaned out and/or sawn to the required dimensions. All joint faces should be ground clean and thoroughly vacuumed. Metal faces should be de-greased with solvent following grinding and vacuuming.

Application Temperature

Air temperature should be maintained between 12ºC and 30ºC during the application and curing of this product. Materials should be kept in a warm area of 12ºC 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

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 75ºC) with suitable detergent products – see John Lord Cleaning Guide for further details.
- Flash steam cleaning is suitable on an occasional basis.

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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