

## Flowflex HM

### Description

The Flowflex HM (high modulus) joint sealant is a high performance gun grade, single component, and moisture cured polyurethane resin based joint sealants for use in industrial floors.

### Uses

To strengthen and protect limited movement floor joints and arises from abrasion and attack from traffic and chemicals.

**Flowflex HM** for use in cold floor joints or joints where there is limited movement in conjunction with heavy traffic.

Flowflex HM is resistant to water and a wide range of cleaning agents, oils, hydrocarbons & diluted acids and bases. For further information please contact the Flowcrete Technical Department.

The product may change colour over time when exposed to UV light; however change in appearance does not modify or negatively affect the mechanical properties of the sealant.

**Note:** Maximum joint size is 30mm width. The depth must never be more than 50% of the width.

### Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. Contains isocyanates, for more information please refer to the safety data sheet.

### Ratio of components

Flowflex LM and HM are one component products.

Once opened, the product will be subject to moisture contamination and the shelf life will be reduced to 1-2 days.

### Application temperature

The recommended material and substrate temperature is 10 - 30°C (above 30°C working time and pot life may be reduced), but no less than 5°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24hrs after application.

### Curing time (at 25°C / 50% RH)

	Flowflex HM
Skin formation	60 mins
Polymerised thickness at 24 Hours	3mm
Light Traffic	24 hours
Heavy traffic	3 days

### Colours

Grey, Red, Beige, Black, Brown, White

Other colours may be available on request, dependent on quantity. Please allow **at least 6** weeks for delivery.

### VOC Content (EU Directive 2004/42/CE)

Flowflex HM 80 g/L

### Density

Flowflex HM 1.45 kg/L

### Storage

12 months in unopened pack.

Storage temperature between 5°C and 35°C.

## Packaging

The products are delivered in the following packs.

Box, containing 12 x 600ml sausages.

## Properties (High Modulus)

<b>Flowflex HM</b>		
Hardness Shore A	DIN 53 505	40 - 45
Modulus of elasticity (at 100%)	ISO 8339	0.4 MPa
Shrinkage	ISO 10563	negligible
Modulus at break	ISO 8339	0.6 MPa
Elongation at break	ISO 8339	250%
Elastic recovery	ISO 7389	70%
Movement capability		25%
Service temperature		-20°C to +80°C

*Any recommendation or suggestion relating to the use of the products made by Flowcrete South Africa Pty Ltd., whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.*

## Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request