

## PRODUCT DATA SHEET

# Sika® Loadflex®

Self-levelling, epoxy-urethane, load-bearing, control joint filler

### DESCRIPTION

Sika® Loadflex® is a self-levelling, two-component, epoxy-urethane, catalyst-cured, sealant for load bearing, saw cut or preformed control joints. Sika® Loadflex® achieves its excellent properties through unique urethane-epoxy polymer chemistry

### USES

- As a filler for interior, horizontal saw cut or control joints subject to load bearing conditions involving impact and wear
- Preformed control joints in facilities such as Warehouses
- Repairing interior concrete slabs that have experienced random cracking

### CHARACTERISTICS / ADVANTAGES

- Hard load bearing sealant designed to withstand industrial traffic
- Provides for even load transfer across floor joints, thereby protecting joint edges from breakdown
- Seals joints from collecting dirt, dust, and debris
- Easily installed by pouring or gunning

### PRODUCT INFORMATION

<b>Chemical Base</b>	Epoxy / urethane
<b>Packaging</b>	2ltr Kits
<b>Shelf Life</b>	12 months in original, unopened packaging

<b>Storage Conditions</b>	Product must be stored in original, unopened and undamaged sealed packaging in dry condition at temperatures between +5 °C and +30 °C. Always refer to packaging.		
<b>Density</b>	1.1 g/ml		
<b>Shore A Hardness</b>	80 - 85		(ASTM D 2240)
<b>Elongation at Break</b>	130% at 28 days		(ASTM D 412)
<b>Adhesion in Peel</b>	7.78 kN/m (concrete)		(CGSB method 14.6)
<b>Tear Strength</b>	31 kN/m		
<b>Consumption</b>	<b>Joint Depth</b>	<b>Joint Width</b>	
		<b>3mm</b>	<b>6mm</b>
	25mm	26m	13m
	32mm	20m	10m
	38mm	17m	8m
	44mm	15m	7m
	51mm	13m	6m
<b>Ambient Air Temperature</b>	Min. 10°C – max. 30°C		
<b>Substrate Temperature</b>	Min. 10°C – max. 35°C		
<b>Substrate Moisture Content</b>	< 4%		
<b>Pot Life</b>	55 minutes		
<b>Tack Free Time</b>	~12 hours		(ASTM C 679)

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Substrate must be clean and sound. It has to be dry. Remove dust, laitance, grease, curing compounds, impregnations, waxes foreign particles, and disintegrated materials.

### MIXING

Mix complete units. Premix each component. Slowly add entire contents of components B to A and mix until uniform in colour. Mix thoroughly for 3 minutes with a slow-speed drill (300-450rpm) using a paddle

### APPLICATION METHOD / TOOLS

Pour Sika® Loadflex® into the construction control joint or use low-pressure extrusion equipment. Maintain a steady flow of material. Both applications require care to eliminate overlapping as this may cause bubbling within the material. Place Sika® Loadflex® to full joint depth. Tool the applied sealant 10 to 20 minutes after placing to release entrapped air in the surface layer

### CLEANING OF TOOLS

Uncured material can be removed with Sika® Colma® Cleaner. Cured material can only be removed mechanically

## LIMITATIONS

Sealant should be placed to full saw cut depth.

Do not thin Sika® Loadflex®. Solvents may prevent proper cure.

Do not apply through standing water or on damp surfaces.

Minimum concrete age: 28 days

Best performance achieved if concrete is 90 days or older.

Concrete or masonry must be tested for water-vapour transmission prior to application.

Not designed for use under constant immersion.

For applications in non-moving joints only (max. 5% joint movement).

Do not apply floor overlays using solvent-based adhesives over Sika® Loadflex® filled joints.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

# ECOLOGY HEALTH AND SAFETY

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### Product Data Sheet

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