

# PRODUCT DATA SHEET

# EVERBUILD TECNIC<sup>®</sup> HYBRIFLEX SMP

## HIGH MODULUS HYBRID FLOORING JOINT SEALANT

### PRODUCT DESCRIPTION

EVERBUILD TECNIC<sup>®</sup> HYBRIFLEX SMP is a one part, chemically curing solvent free sealant and adhesive combining the best qualities of silicone and polyurethane technologies. It is specifically designed as a multi purpose floor and wall grade for all concrete saw cuts and cladding applications and/or slab expansion joints, where abrasion resistance is required.

### USES

Large expansion joints for:

- Stadia
- Floors
- Warehouses
- Factory floors
- Sports arenas
- Shopping centres etc.

### CHARACTERISTICS / ADVANTAGES

- Excellent trafficking resistance
- Good slump resistance - suitable for wide joint applications (up to 65mm)
- Abrasion resistant
- Excellent resistance to chemicals & petrol (10% dilute acids, alkalis, most solvents)
- Good flexibility (Butt Joints  $\pm 25\%$ , Lap Joints  $\pm 25\%$ )
- Overpaintable with most paints (compatibility test should be made)
- Can be applied on damp surfaces

### PRODUCT INFORMATION

<b>Packaging</b>	600ml foils
<b>Colour</b>	Grey
<b>Shelf Life</b>	12 months in original unopened containers.
<b>Storage Conditions</b>	Store in cool dry conditions between + 5°C and 25°C.

<b>Application temperature</b>	+5°C to 50°C
<b>Trafficking (at 20°C/50% RH)</b>	Foot Traffic: 24 Hours FLT: 4 Days.
<b>Sagging</b>	None
<b>Modulus</b>	High
<b>Water and salt spray resistance (EN15651-4)</b>	Excellent

### APPROVALS / STANDARDS

- ISO11600 Class 25HM Construction Grade (Type F) Sealant.
- CE marked under EN15651 for cold climate, pedestrian walkways and façade class 25HM.

Density 1.4 ± 0.05 g / cm<sup>3</sup>

## TECHNICAL INFORMATION

Shore A Hardness	40± 5
Elongation at Break	>200% (ISO 8339)
Elastic Recovery	74% (ISO 7389)
Chemical Resistance	Good resistance to dilute acids and bases
Resistance to Weathering	Excellent resistance to UV radiation
Service Temperature	-40°C to +90°C
Joint Design	<b>Trafficked:</b> Min Width: 6mm Max Width: 20mm Min Depth: 10mm  <b>Untrafficked:</b> Min Width: 6mm Max Width: 65mm* Min Depth: 10mm * For larger joint configuration consult our technical services. <b>Joint Width Calculation</b> Joint widths are calculated as in BS6213: Width = $\frac{M \times 100}{F} + M$ Where M = movement and F = movement accommodation Factor

## APPLICATION INFORMATION

Consumption	Joint Size in mm	Litre per metre run	Metre per 600ml foil
	6 x 10	0.06	10
	20 x 20	0.4	1.5
	25 x 20	0.5	1.2
	30 x 20	0.6	1.0
	40 x 25	1.0	0.6
Curing Time	24hrs: 2mm 48hrs: 4mm 72hrs: 6mm at 23°C and 50% RH		
Skin Time	20-55 mins (@ 23°C and 50% RH) depending on humidity levels and substrate moisture content.		

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

All surfaces must be cleaned and be free from dust, grease and frost. Surfaces may be damp, but have no standing water. For some substrates, priming is not required, (except when area is intermittently or permanently immersed). If in doubt contact our technical department.

Joints should be designed in accordance with BS6093. Square cross sections are preferred with a minimum 10mm depth.

NEW JOINTS: Concrete joints should be sawn, all debris flushed away after cutting, and joints allowed to dry.

RENOVATING OLD JOINTS: Remove all old sealant from

existing joint and clean back to sound concrete by wire brushing, grinding or shot blasting.

Fit backing rod and/or joint breakers as required by relevant flooring standards/specifications/codes of practice.

For a neat finish, mask joint edges, removing masking tape immediately after tooling is completed and before sealant skins over.

### Primer

Mortar: Use Sika Primer 3-N

Improve adhesion to non porous surfaces by using Primer NP2.

## LIMITATIONS

- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services

Department for advice.

- Yellowing can occur in predominantly dark conditions.
- In areas of high UV some darkening/discolouration may occur. This does not affect product performance.

## VALUE BASE

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

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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.

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Product Data Sheet  
EVERBUILD TECNIC® HYBRIFLEX SMP  
May 2018, Version 01.01  
020511020000000031