

PRODUCT DATA SHEET

EVERBUILD TECNIC[®] PURAFLEX 25

overpaintable Low modulus PU adhesive and sealant

PRODUCT DESCRIPTION

EVERBUILD TECNIC[®] PURAFLEX 25 one part Polyurethane Sealant is a premium quality one component low modulus sealant designed to replace conventional one part Polysulphide sealants in most applications.

USES

- Most construction, expansion and dilation joints in brickwork, stone and concrete structures, vertical and horizontal.
- Pointing and perimeter joints around timber window and door frames.
- Capping to beaded glazing systems.
- Sealing and pointing in roofline applications and to composite panels, metal panels and steel structures.
- Sealing and pointing pre-cast concrete panels.
- Light traffic floor joints.

CHARACTERISTICS / ADVANTAGES

- Excellent adhesion to most building Substrates.
- Over paintable - preliminary test required before use.
- Solvent free and odourless.

Movement Factors

Butt joints: 50% (not to exceed +/- 25% in any one direction)
Lap joints: 100% (not to exceed +/- 50% in any one direction)

Slump ISO7390

Nil

UV/ Pollution resistance

Excellent

E-Modulus

0.3N/mm² @ 23°C
ISO8339

APPROVALS / STANDARDS

- EN 15651-1 type FEXT-INT CC Class F25LM.
- ISO11600 F25LM.
- ASTM C920, Class 100/50
- ISO 16938-1 non staining on marble
- ASTM C 1248 non staining on marble
- Passes LEED EQc 4.1, SCAQMD, Rule 1168 and BAAQMD, Reg 8, Rule 51
- EMICODE EC1plusR, very low emissions

PRODUCT INFORMATION

Chemical Base	Polyurethane
Packaging	300ml cartridges and 600ml foil packs (Brown and Buff not available in 600ml foil pack)
Colour	White, Black, Grey, Brown, Buff
Shelf Life	15 months
Storage Conditions	Store in cool, dry conditions between +5°C and +25°C.
Density	approx. 1.35g/cm ³

Shore A Hardness	20		
Movement Capability	+100 /-50% (ASTM C719) +/- 25% (ISO11600)		
Chemical Resistance	Water; Excellent. Acids, bases, hydrocarbons; Good		
Service Temperature	-40°C to +70°C		
Joint Design	<p>The joint width must be designed to suit the movement capability of the sealant. In general the joint width should be > 10 mm and < 40 mm. A width to depth ratio of approx. 2:1 must be maintained. Reduce joint depth with EVERBUILD FIX AND FILL FOAM, EVERBUILD JOINT BACKER ROD or BOND BREAKING TAPE in cases where there is not enough depth to use Backer Rod.</p> <p>Joint widths are calculated as in BS6213: $Width = (M \times 100)/F + M$ Where M = movement and F = movement accommodation Factor</p>		
Consumption	Joint size in mm	Litre per metre run	Metre per 310ml tube
	5 x 5	0.025	12.4
	5 x 10	0.050	6.2
	10 x 10	0.1	3.2
	15 x 10	0.15	2.1
	20 x 10	0.2	1.6
Ambient Air Temperature	+5°C to + 40°C		
Curing Time	3mm/ day		
Skin Time	70 mins at 25°C 50% RH		

APPLICATION INSTRUCTIONS

PRIMER

On new concrete use Sika Primer - 3N.

SUBSTRATE PREPARATION

All surfaces must be clean, dry and dust free. Any loose or flaking surface coating should be removed before application.

LIMITATIONS

- Do not use on surfaces that bleed oils or plasticisers.
- Do not use in conjunction with bitumen or asphalt - use WEATHERMATE.
- Do not use in aquaria or as a mirror adhesive.
- Test compatibility with all substrates and paint systems prior to full scale use. May increase drying time of alkyd paints. Overpaint within 24 hours when using water based paints.
- Do not use on Polypropylene, Polyethylene or Teflon.
- As quality of uPVC; ABS and most plastics varies dramatically, always carry out adhesion tests prior to full scale use. Do not use in swimming pools or joints in constant water immersion.
- Do not handle portable assemblies until the sealant is fully cured.
- It is the users responsibility to determine suitability for use. If in doubt, please contact Technical Services Department.

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 exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

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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