

Technical Data

PURAFLEX 25

Low Modulus P.U Adhesive And Sealant



Description

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.

Benefits

- Excellent adhesion to most building Substrates.
- Over paintable - preliminary test required before use.
- Conforms to stringent SNJF and ISO specifications - ISO 11600 Class 25LM.
- Solvent free and odourless.
- Movement capability +100/-50% (ASTM C719)
- Passes LEED EQc 4.1, SCAQMD, Rule 1168 and BAAQMD, Reg 8, Rule 51
- EMICODE EC1plusR, very low emissions

Recommended For

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. ISO 16938-1 non staining on marble

Specification Compliances

- 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



Available in

C3 Cartridges and 600ml Foil Packs in the following colours:

- White
- Black
- Grey
- Brown*
- Buff*

* Not available in 600ml Foil Pack.

Storage

Store in cool, dry conditions between +5°C and +25°C.

Shelf Life

Use within 15 months.

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Health & Safety

Consult MSDS for full list of hazards.

Specific Data

Slump ISO7390	Nil
Skinning Time	70Mins at 25°C 50% RH
Cure Time	3mm/ day
Specific Gravity	1.35g/cm³ approx
Hardness (Shore A)	20
Paintability	Water Based - Yes Solvent Based - Test Necessary
UV/ Pollution resistance	Excellent
Capability movements ISO9047	+/- 25%
Capability movements ASTM C719	+100 / -50%
Application temperature range	+5°C to + 40°C
Service Temperature Range	-40°C to +70°C
Chemical Resistance	Water; Excellent. Acids, bases; hydrocarbons; good
Life Expectancy	>20 Years
E-Modulus	0.3N/mm² @ 23°C ISO8339

Joint Dimensions

The depth of the joint should be approximately 50% of the width to a minimum of 10mm on porous surfaces or 5mm on non-porous surfaces.

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.

Movement Factors

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

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

Joint Width Calculation

Joint widths are calculated as in BS6213:

$$\text{Width} = \frac{M \times 100}{F} + M$$

Where M = movement and F = movement accommodation Factor

Coverage

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

Surface Preparation

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

Primer

On new concrete use Sika Primer - 3N.

Limitations

- Do not use on surfaces that bleed oils or plasticisers.
- Do not use in conjunction with bitumen or asphalt - use WEATHERMATE sealant.
- 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.

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