

Technical Data

PURAFLEX K11

Low Modulus P.U Adhesive And Sealant



Description

Puraflex K11 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.
- Non Staining.
- Over paintable - preliminary test required before use.
- Conforms to stringent SNJF and ISO specifications - ISO 11600 Class 25LM.

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.

Specification Compliances

The product remains permanently flexible to accommodate joint movement (25%) and adheres to most building surfaces. such as concrete, ceramics, wood, metal, uPVC etc.

Puraflex K11 Polyurethane Sealant is fast curing (3mm/day), can be over painted when cured (if required) and is highly durable with excellent weathering properties and high resistance to atmospheric pollution.

Puraflex K11 Polyurethane sealant conforms to SNJF and ISO 11600 standards.



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 12 months.

PURAFLEX K11

Low Modulus P.U Adhesive And Sealant

Health & Safety

Consult MSDS for full list of hazards.

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.

Surface Preparation

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

Specific Data

Slump	Nil
Skinning Time	30-40Mins at 25°C 50% RH
Cure Time	3mm/ day
Bond Strength (Metal/ Metal)	1.0N/mm ²
Specific Gravity	1.17
Hardness (Shore A)	25
Paintability	Water Based - Yes Solvent Based - Test Necessary
UV/ Pollution resistance	Excellent
Joint movements; butt	+/- 25%
Joint movements; lap	+/- 50%
Application temperature range	+5°C to + 35°C
Service Temperature Range	-30°C to +80°C
Chemical Resistance	Water; Excellent. Acids, bases; hydrocarbons; good
Life Expectancy	>20 Years

Reduce joint depth with EVERBUILD FIX AND FILL FOAM or EVERBUILD JOINT BACKER ROD.

Movement Factors

+/- 25% Movement Accommodation

Primer

On new concrete use sealant primer P1.

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

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.

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

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

t

v

s

E

l

o

v

s

o

