



DATA SPECIFICATION

Description

FORMROK 28U is a low modulus, one component Polyurethane Sealant for filling and sealing joints in building construction. It is elastic, weather-resistant, non-sagging, and water tight with excellent adhesion to practically all surfaces. There is no need for a primer.

Substrate Preparation

The surface must be clean, dry and free of dust, grease or residues. On concrete, wait for it to cure out and stabilize (minimum 28 days). A preliminary test is necessary on siliconized tiles. It is up to the users to check the compatibility with the surface in terms of adherence, chemical compatibility and staining (make a pre-test if required). For the joint sealant to function correctly it is essential that bond breaker tape or polyethylene closed cell backer rod be used to regulate joint depth and prevent three sided adhesion.

FEATURES AND BENEFITS

- High level of elasticity (up to 25%)
- Excellent recovery capacity
- High resistance to weather and ageing. Resistant in tropical climates
- Does not harden over time, even at temperatures between -20° C and + 80°C
- Does not exhibit thermoplasticity. (Does not soften with heat).
- Excellent UV resistance
- Single component, easily applied
- User friendly – excellent extrudability/gunability

FIELDS OF APPLICATION

- interior and exterior use
- joint sealant for walls, and ceilings
- joint sealant for expansion joints in buildings and civil works
- sealant for prefabricated concrete elements
- use in permanently submerged surfaces
- use on joints with up to 25% movement

SPECIFICATION DATA

SKIN FORMATION 75 min. (23°C, 50% HR)	MODULUS@100°C 0.20 - 0.25 Mpa
RATE OF CURE IN mm ≥ 2.5 mm in 24h (23°C, 50% HR)	ELONGATION AT BREAK 250%
RESISTANCE TO FLOW ≥ 3 mm to 23°C, ≤ 3 mm to 50°C	ELASTIC RECOVERY > 70%
TEMPERATURE OF APPLICATION + 5°C ≤ T ≤ + 40°C	MOVEMENT CAPABILITY 25%
SPECIFIC GRAVITY 1.3g/cm ³	TEMPERATURE OF SERVICE - 20°C ≤ T ≤ + 80°C
HARDNESS SHORE A 20 - 25	WATER VAPOUR DIFFUSION ≈ 32 g/m ² /24 hrs

FORMROK 28U
SINGLE COMPONENT POLYURETHANE JOINT SEALANT

Application

The product is supplied ready for application. Cut open the foil sausage (or the nozzle) at one end and place in a manual or pneumatic gun and apply immediately. The product should be tooled smooth with a spatula or with non-alcoholic liquid to create a concave surface free of bubbles. It can be applied directly both horizontally and vertically.

Joint Design

The width of the joint must be included between 6 and 40 mm. For the width of joint lower or equal to 10 mm, the depth of the joint must be equal to its width. For the widths of joints more than 10 mm the depth of the joint must be approximately half of its width.

Colour

Grey, White other colours available on request (minimum batch quantities).

Shelf Life

12 months from production date, in original unopened packaging and protected from humidity.

Coverage

Applicable joint length with a 310 ml cartridge (in metres)

Joint width (in mm)	Joint width (in mm)				
	4	6	8	12	20
4	19	13	9.7	6.5	3.8
6		8.6	6.5	4.3	2.6
8			4.8	3.2	1.9
10				2.6	1.6

Health & Safety

- Contains isocyanates
- Avoid contact with skin
- In the event of contact with eyes, clean immediately with water and obtain medical attention
- Use only in well ventilated areas
- Keep out the reach of children
- Refer to Material Safety Data Sheet

Hitchins Approved Applicator



Revision A

All data given and statements and recommendations made herein are based upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.