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TECHNICAL DATA SHEET

Sikafix PU

Manufacturer: Sika Canada Inc.

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PRODUCT DATA SHEET

SikaFix® PU

Flexible polyurethane grout

PRODUCT DESCRIPTION

SikaFix® PU is a low-toxicity, two-component, 100 % solids, polyurethane foam. It will displace and stop flowing water, forming a tough flexible foam, firmly bonded to the concrete surface.

WHERE TO USE

- Can be used to stop water under a hydrostatic head and provide a resilient tough and flexible, closed cell polyurethane grout
- Cracks in tanks, tunnels, pipes, basements, pools, subways or any structure where water intrusion must be stopped

CHARACTERISTICS / ADVANTAGES

- The final cured product is a non-toxic rubber foam similar to that used in shoe soles
- High bond strength even to damp surfaces
- Flexible and easy to use
- Waterproofs and seals cracks quickly and efficiently
- Ministry of Transport Québec (MTQ) acceptance

PRODUCT INFORMATION

Packaging	▪ 250 mL (8.45 US fl. oz) ▪ 600 mL (20.2 US fl. oz) ▪ Pre-Pack cartridges, 12/case		
Colour	Part A Straw	Part B Dark amber	Mixed A+B Amber
Shelf Life	12 months in unopened packaging.		
Storage Conditions	Store in a heated area, on pallets, above ground. Protect from freezing. Once opened and depending on humidity level, shelf life may be reduced to down to 3 months.		
Density	Part A 1.02 kg/L	Part B 1.24 kg/L	Mixed A+B 1.13 kg/L
Viscosity	Part A 250 cps	Part B 200 cps	Mixed A+B 500 cps
Mixing Ratio	A:B = 1:1 by volume		

Yield	1 L (33.8 US fl. oz) grout = ~25 L (6.6 US gal) foam (typical free expansion)
	1 L (33.8 US fl. oz) grout = ~3 L (0.79 US gal) foam (typical contained expansion)
Note: Variation in crack/void configuration, injection conditions and end use will influence the yield.	
Gel time	460 seconds
Reaction Time	39 seconds

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods. Properties tested at 23 °C (73 °F) and 50 % R.H. unless stated otherwise.

LIMITATIONS

- For reaction of the material to take place and the expansion mechanism to be activated, all cracks must either contain moisture or be pre-wetted.
- For potable water contact applications, use SikaFix® HH+ which is ANSI/NSF Standard 61 approved.
- For a high pressure injection procedure, consider other injection materials such as SikaFix® HH LV.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

SUBSTRATE PREPARATION

Ensure that cracks contain moisture or have been pre-wetted. For low pressure injection, use Sika® Injection T's or use Sika® Injection Ports. Install the fat end of the devices into 13 mm (1/2 in) holes.

APPLICATION METHOD / TOOLS

Attach the static mixer to the cartridge and dispense SikaFix® PU using either a pneumatic or manual dispenser. Injection of SikaFix® PU is carried out, starting at the lowest injection point. As SikaFix® PU moves into the crack, water is displaced ahead of it.

Once all the water is released, SikaFix® PU will follow the water. When this phenomenon is observed, injection should move on to the next packer and the same process continued along the crack until it is completed. Excess SikaFix® PU appearing on the crack surface can be easily removed when product has stopped foaming, using a sharp knife.

Note: For low water flow: SikaFix® PU is supplied in a single or side-by-side cartridges, and is easily dispensed with a manual gun through a 6 mm (1/4 in) mixing nozzle. Sika® Injection T's are used for this procedure.

CLEAN UP

Use SikaFix® Pump Flush, a non-flammable solvent, to remove uncured product from tools and equipment. Cured material can only be removed mechanically.

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.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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