

PRODUCT DATA SHEET

SikaFix[®]-123 AquaStop

HIGH STRENGTH POLYURETHANE INJECTION SYSTEM

DESCRIPTION

SikaFix[®]-123 AquaStop is a solvent free, 2-component, high strength polyurethane injection system. It is rapid setting designed as a water stop and also for ground and strata consolidation. The system contains fire retardants and is self-extinguishing.

USES

- High water volume control
- Filling and stabilizing cavities in fractured rock eg roadways, shafts etc
- Consolidating other substrates such as sand and gravel
- Concrete structure repair

CHARACTERISTICS / ADVANTAGES

- A fast reacting polymer with strength and rigidity
- Will form a rigid foam in the presence of water
- Without water, the polymer cures to a tough, resilient solid
- It is a two component system, with both components mixed in equal volume proportions (1:1 by volume) using a two-component injection pump coupled with a static in-line mixer

PRODUCT INFORMATION

Packaging

Colour
Part A : Light Yellow Liquid
Part B : Brown Liquid

Shelf Life
12 months from date of production if stored properly in undamaged unopened, original sealed packaging

Storage Conditions
Stored at temperatures between 5 °C and 35 °C in unopened original containers protected from direct sunlight and frost.
Beware of frost sensitivity for Part A.

Density
Part A : ~1.12 g/mL
Part B : ~1.24 g/mL
Density without foaming : ~1 200 kg/m³

Flash Point
Part A : > 200 °C
Part B : > 200 °C

Viscosity
Part A : 400 cps
Part B : 200 cps

TECHNICAL INFORMATION

Shore D Hardness	~75 (as a solid)
Tensile Strength in Flexure	~5 N/mm ²
Elongation at Break	~20 %
Expansion	Foam expansion factor ~ dependant on amount of water encountered (8 – 10 times)

APPLICATION INFORMATION

Mixing Ratio	1A:1B parts by volume
Curing Time	Reaction time : ~30 seconds. Set time : ~40 seconds, without contact of water, and up to 10 min when in contact with water (depending on amount of water)

APPLICATION INSTRUCTIONS

CLEANING OF TOOLS

- For short breaks, pump only Part A through the mixer.
- For long breaks (eg storage, or after works complete) pump clean water through Part A pump / injection lines and pump clean engine oil through Part B pump / injection lines.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

Although SikaFix®-123 AquaStop contains isocyanates, the cured foam is inert. Nevertheless, only experienced operators should mix and install this product.

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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