BUILDING TRUST

PRODUCT DATA SHEET

SikaInject®-370

(formerly MRoc MP707)

Low viscosity, fast reacting acrylic resin for permanent waterproofing in concrete and masonry

DESCRIPTION

SikaInject® -370 is a highly reactive four-component acrylic sealing resin with a low viscosity for good penetration. The product cures quickly, forming a rubber-like resin with the ability to withstand certain ground and crack movement.

USES

SikaInject®-370 may only be used by experienced professionals.

- Permanent waterproofing of tunnel- and shaft-concrete-linings and masonry
- Curtain injection
- Concrete repair - swelling fitted filling of cracks and fissures
- Stopping of minor water inrush through cracks
- Ground stabilization

CHARACTERISTICS / ADVANTAGES

- Highly flexible compact resin with good adhesion even on damp and wet surfaces
- Very low viscosity allows deep penetration at low pressure into very fine cracks and long flow paths
- Controlled gel time between 3 min - 22 min at 20 °C
- Superior flexibility (elongation at break >300%) enabling balance of ground movements or settlements
- Not sensitive to water and constant in volume (maximum change of mass -15% to +20%)
- Workable between 5 °C and 40 °C
- Neither the liquid nor the cured resin is corrosive and is therefore suitable for reinforced concrete structures
- Good chemical resistance against acids, bases, solvents, fuels, etc.
- Environmentally friendly: harmless in contact with groundwater; no emission of any dangerous substances

PRODUCT INFORMATION

Packaging	Part A (Resin) 20 kg Part B 20 kg Part C (Accelerator) 1.0 kg Part D (Hardener) 0.3 kg NOTE: Customer tailored. When ordering, please ensure that the package required is clearly stated.
Colour	Part A (Resin) clear liquid Part B white liquid Part C (Accelerator) clear liquid Part D (Hardener) white powder
Shelf Life	up to 12 months in unopened, originally sealed containers
Storage Conditions	Keep dry, at a temperature range of +10 °C to +30 °C, protected from sunlight

Density	Part A (Resin) ~1.05 kg/L Part B ~1.01kg/L Part C (Accelerator) ~0.93kg/L Part D (Hardener) ~2.6kg/L
Viscosity	Part A (Resin) ~5 mPas Part B ~2 mPas Part C (Accelerator) ~2 mPas

APPLICATION INFORMATION

Reaction time

SikaInject-370 hardener dosage to adjust gel time			
	Part D	at 10°C	at 20°C
w%	g	min:sec	min:sec
0.20	40	`24:30	22:00
0.25	50	22:00	20:00
0.50	100	17:30	15:30
1.00	200	13:30	10:00
1.50	300	09:30	07:30
3.00	600	06:00	04:30
5.00	1000	04:00	03:30
Dosage of Part D into 20 kg Part B			

Please note: reaction time depends on temperature of components and of ground

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.

ECOLOGY, HEALTH AND SAFETY

Avoid contact with skin and eyes by using the required personal protective equipment, such as overalls, gloves and safety glasses.
If contact with skin occurs, wash thoroughly using soap and water. If contact with eyes occurs, rinse thoroughly with water and seek medical advice. The cured product is harmless.
Uncured products should be prevented from entering local drainage systems and water courses. Spillage must be collected using absorbent materials such as sawdust and sand, and must be disposed of in accordance with local regulations.
Always refer to the most recent local Material Safety Data Sheet.

APPLICATION INSTRUCTIONS

MIXING

Premix SikaInject®-370 Part A (20 kg) with 5% of SikaInject®-370 Part C (1 kg) to activate it prior to use.
Premix SikaInject®-370 Part B with 0.20% (40 g) to 5% (1 kg) of SikaInject®-370 Part D powder
Adjust amount of SikaInject®-370 Part D to the required pot life (see Table)

The activated SikaInject®-370 Part A and SikaInject®-370 Part B have a pot life of approx. 5 hours at 20 °C. The activated components are injected in the ratio of 1:1 by volume, using a two-component injection pump, equipped with a static in-line mixer or by pre-mixing the two components thoroughly and using a one-component pump (long open time needed).

CLEANING OF TOOLS

Equipment can easily be cleaned by using water (if possible with a detergent).
Note: uncured material can only be removed mechanically

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.