BUILDING TRUST

PRODUCT DATA SHEET

SikaInject®-233

(formerly MasterInject® 1335)

PU-Based 1-Component Flexible Injection Foam

DESCRIPTION

SikaInject®-233 is solvent free, single component polyurethane foam.

USES

SikaInject®-233 may only be used by experienced professionals.

- Pre-injection of cracks and joints in concrete
- Stopping of flowing water / leaking water through voids, cracks and joints in concrete structures
- Cavity-filling (water bearing)

FEATURES

- Reacts in moist surroundings.
- Good bonding to wet surfaces.
- Stops running water.

PRODUCT INFORMATION

Packaging	1 L kit: 1.055 kg (Base resin) 0.105 kg (CAT, 10%, = maximum recommended)
Shelf life	12 months from date of production
Storage conditions	Store in original, unopened and undamaged sealed packaging in dry conditions at temperature between +5 °C and +35 °C
Colour	yellowish
Density	~1.16 kg/l (20°C)
Viscosity	~700 - 900 cps (25°C)

TECHNICAL INFORMATION

Expansion	~20x - 30x (Max 10% CAT)

APPLICATION INFORMATION

Reaction time

SikaInject®-233 / CAT				
Values with 10 % Cat				
Initial Temperature (°C)	+5	+10	+15	+20
Reaction Start (sec)	130	65	30	15
Reaction End (sec)	350	250	120	60
Free Foaming Factor	20	25	25	30

- Reaction time depends not only on the temperature in the structure, but also on the temperature of the product itself
- Filling of large voids is recommended to build up in layers
- The examples of reaction times with the maximum accelerator dosage (see table) have been measured in the laboratory
- However it is advisable to check the required reaction time on site
- Site trials should always be performed prior to commencing the works

BASIS OF PRODUCT DATA

- All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
- Internal Reference - Version: MBS_CC-UAE/ In_1335_02_12/v3/07_17

LIMITATIONS OF USE

SikaInject®-233 is generally used for the temporary stopping of high water infiltration. To achieve permanent watertight crack sealing, the subsequent injection of SikaInject®-232 is recommended.

ECOLOGY, HEALTH AND 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.

APPLICATION INSTRUCTIONS

EQUIPMENT

Use injection pumps suitable for single part injection products.

APPLICATION

WET CONDITIONS:
- Add 2%-10% CAT (depending on the required reaction time) to SikaInject®-233 (base resin)
- Mix quickly and thoroughly
- Inject this mixture through a 1-component injection pump
- Moisture / water in ground or structure will initiate the foaming reaction

DRY CONDITIONS:
- Flush cracks and voids with water prior to injecting
- Follow the standard procedure as in wet conditions

CLEANING OF EQUIPMENT

Clean all tools and application equipment as soon as possible and in accordance the Product Data Sheet for the Sika® Injection Cleaning System.
Alternatively Sika® Colma Cleaner can be used to remove any polyurethane residue immediately after use. Do not leave Sika® Colma Cleaner in the injection pump Hardened / 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 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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