BUILDING TRUST

PRODUCT DATA SHEET

Sika MonoTop®-108 Water Plug SA

RAPID SETTING MORTAR

DESCRIPTION

Sika MonoTop®-108 Water Plug SA ready for use rapid-setting cement mortar. When mixed with water, it becomes a powerful, fast setting water plug, for plugging water leaks in concrete and masonry walls. Suitable for use in hot and tropical climatic conditions.

USES

- Instant plugging of negative pressure water inlet through cracks, gravel niches and casting joints.
- Instant plugging of drained water outlets, during waterproofing treatments.

CHARACTERISTICS / ADVANTAGES

- Rapid setting time
- Easy to use, just add water
- Excellent adhesion to concrete, masonry and mineral substrates
- Rapid strength gain
- Use on vertical or horizontal surfaces
- Good water stopping power

PRODUCT INFORMATION

Composition	Cement based			
Packaging	5 kg and 25 kg bags			
Appearance / Colour	Grey powder			
Shelf life	6 months			
Storage conditions	Store properly in undamaged original sealed packaging, in dry cool conditions.			
Density	~1.7 kg/l (25 °C)			
Compressive strength	1 day ~25 N/mm²	7 days ~45 N/mm²	28 days ~55 N/mm²	(ASTM C109)
Tensile strength in flexure	~10 N/mm²			(ASTM C348)
Tensile strength	~3.5 N/mm²			(ASTM C496)
Mixing ratio	water: powder is 1:4			
Ambient air temperature	+5 °C minimum / +30 °C maximum			
Substrate temperature	+5 °C minimum / +30 °C maximum			

Initial set time

Temperature	Initial Set Time
+5 °C	~120 seconds
+20 °C	~90 seconds

Final set time

Temperature	Final Set Time
+5 °C	~210 seconds
+20 °C	~80 seconds

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.

IMPORTANT CONSIDERATIONS

- After setting, the product can no longer be worked.
- Only mix an amount of material which can be applied within 60-90 seconds.
- Low temperatures cause setting times to be slightly delayed, high temperatures shorten the setting time.
- Use Sika MonoTop®-108 Water Plug SA only in presence of water leakages.
- For concrete repair purposes, use a suitable product from the SikaRep® or Sika MonoTop® range.
- For structural waterproofing contact Sika Technical Department.

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

SUBSTRATE QUALITY / PRE-TREATMENT

The infiltrations (cracks, gravel niches, casting joints, drainage points) shall be widened and deepened by chiseling in order to create a suitable surface to enhance the adhesion.
Concrete, mortar, brickwork: Sound, clean, free from oil, grease, dust or laitance.

MIXING

Thoroughly and rapidly mix with clean water to obtain desired consistency. Do not over- wet. Mix only quantity that can be immediately applied by gloved hand.

APPLICATION

Mix ratio water: powder is 1:4. Plug minor leaks first working from the edges. Place Sika MonoTop®-108 Water Plug SA firmly into the crack or hole. For large openings, form compound into a carrot shape, and when plug is firm, ram it into cavity. Hold in place with heel of rubber gloved hand. Let go, strike off excess material to be flushed with the surface, if desired.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

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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ISO 9001 - ISO 14001 OHSAS 18001

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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.