

PRODUCT DATA SHEET

Sika MonoTop®-108 Water Plug AE

RAPID SETTING MORTAR

DESCRIPTION

Sika MonoTop®-108 Water Plug AE is a rapid-setting cement mortar 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 to avoid washout even in the presence of running water
- Hardens within ~60–90 seconds (at 20 °C)

PRODUCT INFORMATION

Composition	Rapid-setting cement powder
Packaging	10 kg bag
Appearance / Colour	Grey powder
Shelf life	6 months
Storage conditions	Store properly in undamaged original sealed packaging, in dry cool conditions.

TECHNICAL INFORMATION

Compressive strength		28 days	(ASTM C109)
	w/p ratio = 0.25	~32 N/mm ²	

APPLICATION INFORMATION

Mixing ratio	~2.5 liter of water per 10 kg bag
Fresh mortar density	~2.13 kg/l
Yield	~5.9 litres per 10 kg bag
Ambient air temperature	+5 °C min. / +35 °C max.
Substrate temperature	+5 °C min. / +35 °C max.

Final set time**Temperature****Final Set Time**

+20 °C

~90 seconds

+30 °C

~60 seconds

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete, mortar, brickwork: Sound, clean, free from oil, grease, dust or laitance.

Steel, iron: Clean, free of oil, grease and rust.

If possible open the area to be treated to a roughened surface for a better mechanical and / or "V" shape profile at the leak. Porous substrates must be pre soaked prior to application.

MIXING

Depending on the site conditions and due to the rapid curing of the product only small quantities may be mixed at the time. Thoroughly and quickly mix the powder and water in a suitable container by gloved hand. Mix only the amount that can be immediately applied by gloved hand or trowel.

APPLICATION

Quickly work the mixed mortar firmly into the leaking crevice, V-cut, joint etc. and hold in place with a gloved hand or trowel until the mortar is sufficiently hard to remain in place. Strike off excess material to be flushed with the surface, if desired. Repeat this procedure, mixing small quantities at a time until the seepage or leak is stemmed. If the water pressure is too high, a timber plug maybe installed then covered with Sika MonoTop®-108 Water Plug AE.

CLEANING OF EQUIPMENT

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

IMPORTANT CONSIDERATIONS

- After setting, the product can no longer be troweled / flushed.
- Only mix an amount of material which can be applied within a few seconds.
- Low temperatures cause setting times to be slightly delayed, high temperatures shorten the setting time
- Use Sika MonoTop®-108 Water Plug AE only in presence of water leakages. For concrete repair purposes, use a suitable product from the SikaRep®, SikaTop® or Sika MonoTop® range.

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ISO 9001: Sika UAE LLC,
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Sika Saudi Arabia Co. Ltd,
Sika Qatar LLC
ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd
OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

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.

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For structural waterproofing contact Sika Technical Department.

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.

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. 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.

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.