

PRODUCT DATA SHEET

Sika®-102 Waterplug

Ultra fast setting cementitious mortar for stopping water leaks

DESCRIPTION

Sika®-102 Waterplug is a chloride free, fast-setting cementitious mortar in prepacked powder form. When mixed with water it becomes a powerful, fast-setting temporary waterplug.

USES

To stop pressure leaks and seepage through rock and concrete, as well as through joints between concrete and steel (bolt surroundings, ducts, sheetpiles, etc.) in subways, culverts, tunnels, dams, basements, pools, etc.

CHARACTERISTICS / ADVANTAGES

- Easy to use, easy to mix – just add to water
- No special equipment required
- Very fast setting with rapid strength development
- Good adhesion
- Excellent water-stopping power and hydraulic resistance
- No cracking
- Chloride free
- Will not cause corrosion to steel bars

PRODUCT INFORMATION

Packaging	2 or 5 kgs bag
Appearance / Colour	Powder / Grey
Shelf life	6 months from the date of production
Storage conditions	Store properly in original, unopened and undamaged packaging in dry and cool condition, protected from direct sunlight.

TECHNICAL INFORMATION

Reaction to Fire	Fire rating, Classified A1 - Sika®-102 Waterplug will not contribute in any state of the fire including fully developed fire.	(EN 13501-1)
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APPLICATION INFORMATION

Mixing ratio	Sika®-102 Waterplug : water = 1 : 0.20–0.24 (by weight)
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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

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

APPLICATION

Check the full extent and reason for the leak so as to ensure no further problems will be caused by sealing the leak. Then cut concrete or rock in "V" shape around the leaking point. Remove all chippings, unsound and loose particles and clean surface with water prior to application of Sika®-102 Waterplug.

Mix Sika®-102 Waterplug with clean water (please refer to "Mix Ratio") to a pasty consistency.

Apply freshly prepared Sika®-102 Waterplug into the V-shapes cut, starting from the outside and working towards the centre (plug minor leaks first).

Hold material in place by hand for 1–2 minutes. When sealed and set, cut off excess materials to flush with surface. Keep the surface damp.

If water pressure is very high, it is recommended to use wooden plug first, which is then covered and secured with Sika®-102 Waterplug.

The hardening time of Sika®-102 Waterplug is between 80–130 seconds (at +25 °C)

Notes on application/limits

- As Sika®-102 Waterplug is very fast setting, mix only small quantities once. Hardening may occur before it is entirely used when mixing in large amount.
- DO NOT mix Sika®-102 Waterplug with other admixtures, cements or sand.

CLEANING OF TOOLS

Clean all tools and equipments with water immediately after use. Hardened or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

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

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