

## PRODUCT DATA SHEET

# Sika<sup>®</sup>-102 Waterplug

Ultra fast setting compound for stopping water leaks

### DESCRIPTION

Sika<sup>®</sup>-102 Waterplug is a chloride free, ready for use powder. When mixed with water, it becomes a powerful, fast-setting permanent waterplug.

### USES

Ready for use waterplug 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
- Permanent
- Good adhesion to all substrates
- Excellent water-stopping power and hydraulic resistance
- No cracking, practically no shrinkage
- Will not cause corrosion to steel bars
- Non-toxic after hardening

### PRODUCT INFORMATION

<b>Packaging</b>	1 kg, 4.5 kg/can, 5 kg, 15, 25 kg/bag
<b>Shelf life</b>	6 months from the date of production
<b>Storage conditions</b>	Store properly in original, unopened and undamaged packaging in dry and cool conditions. Protect from direct sunlight.
<b>Appearance and colour</b>	Grey powder
<b>Density</b>	1.99 (Sika <sup>®</sup> -102 Waterplug paste = W/102 = 25%)

### TECHNICAL INFORMATION

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

<b>Mixing ratio</b>	Sika <sup>®</sup> -102 Waterplug : water = 1 : 0.24–0.30 (by weight)
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## 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

1. It is recommended to prepare Sika®-102 Waterplug in small quantities at a time. If mixed in large amounts, hardening may have occurred before it is completely used.
2. Do not mix Sika®-102 Waterplug with other admixtures, cement or sand.
3. Sika®-102 Waterplug is hygroscopic. Seal unused quantity immediately in original container.
4. Sika®-102 Waterplug is alkaline. Use rubber gloves when working with Sika®-102 Waterplug. If Sika®-102 Waterplug gets into eyes, clean out immediately with fresh water.

## 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, un-sound 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. As Sika®-102 Waterplug is very fast setting, mix only small quantities. Apply freshly prepared Sika®-102 Waterplug into the V-shapes cut, starting from the outside and working towards the centre (plug minor leaks). 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).

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened or cured 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.

