

**Technical Data Sheet**  
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**Sika® 102**

# Sika® 102

## Waterplug

**Description** Sika 102 is a chloride free, ready for use powder. When mixed with water, it becomes a powerful fast-setting permanent waterplug

**Use** 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, sheet piles etc) in subways , culverts, tunnels, dams, basements, pools.

- Advantages**
- Easy to use, easy to mix, just add water
  - No special equipment required
  - Very fast setting with rapid strength development
  - Permanent good adhesion to all substrates
  - Remarkable water-stopping power and hydraulic resistance
  - No cracking, practically no shrinkage
  - No corrosion

<b>Mixing/ Hardening Time</b>		By weight
	Sika 102	1.0 kg
	Water	0.25 – 0.30 Kg
	Hardening time : 60 – 90 seconds	

### Instruction for Use

**Application** Cut concrete or rock in “V” shape around the leaking point. Remove all unsound and loose particles and clean surface with water prior to application of Sika 102.



Fill freshly prepared Sika 102 into the V-shaped cut, starting outside and work towards the center off the leak (plug minor leaks first). Hold material in place, and then strike of flush with surface. If water pressure is very high, it is recommended to use wooden plug first, which is then covered and secured with Sika 102



- Cautions**
- It is recommended to prepare Sika 102 in small quantities at a time. If mixed in large amounts, hardening may have occurred before it is completely used
  - Do not mix Sika 102 with other admixtures, cements or sands
  - Sika 102 is hygroscopic. Seal unused quantity immediately in original container.
  - Sika 102 is alkaline. Use rubber gloves when working with Sika 102. If Sika102 gets into eyes, clean out immediately with fresh water



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## Technical Data

Form	Powder
Color	Grey
Bulk Density	Approx. 1.2 kg/ litre
pH Value	>11
Mixing Ratio	1 : 0.25 – 0.30 by weight (Sika 102 : water)
Hardening Time	60 – 90 seconds (30°C)
Shelf life	6 months if stored in unopened original container
Storage	Dry, cool, shaded place
Packaging	20 kg pail ( 4 x 5 kg plastic bag)

## Handling Precautions:

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

## 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 product 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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