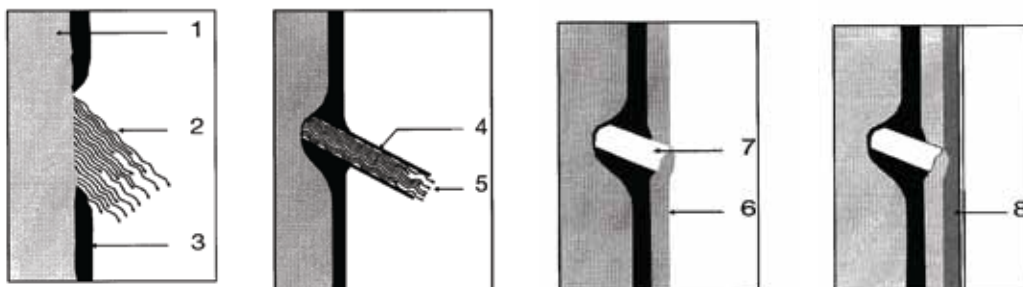


Sika® -4a

Quick Setting Waterproofing Compound

Product Description	Sika® -4 is a ready to use, liquid waterproofing compound. When mixed with cement it sets rapidly to seal areas of severe water infiltration.
Uses	Sika® -4a is used for preliminary waterproofing work on wet surfaces, prior to the installation of Sika® -1 render. It can also be used for fixing bolts and anchors in rock or concrete. Sika® -4a is a part of a range of internationally, used normal and quick setting waterproofing admixtures.
Approval / Standards	Sika® -4a has been tested as per SCAQMD Rule 1168. Result: VOC 0 g/l
Technical Data	
Type	Viscous Alkaline liquid.
Colour	Clear
Density	1.25 kg/l
PH-Value	12
Packaging	5 kg and 20 kg pails 200 kg drums
Storage	Unaffected by frost down to – 20°C. Store in dry conditions.
Shelf life	12 months from date of production if stored properly in original unopened packing.



- 1) Concrete: roughened and cleaned.
Rock: cleaned loose parts removed.
- 2) Infiltration concentrated at a few points.
- 3) Preliminary waterproofing with Sika®-4a cement paste.
- 4) Plastic tube set in Sika®-4a cement paste.
- 5) Water discharging through plastic tube.
- 6) Two coat Sika® -1 rendering on roughened surface of preliminary waterproof coat (or 1-2 Gunite layers).
- 7) After removal of plastic tube, plugging of discharge holes with Sika® -2 or Sika® -4a cement paste.
- 8) Final Sika®-1 coat and surface finish (or finish)



Application

Dosage Dilute 1:2 to 1:4 with clean mixing water depending on the type of application and water pressure. Setting time is 120-180 seconds.
Use only with fresh Portland Cement.

Application Method Clean and roughen concrete surfaces.
Remove all loosely adhering particles when working with rock. Using a dilution rate 1:2, concentrate on sealing the major area of leakage but at the same time allow the water to continue to flow through plastic tubes.
Apply the first coats of Sika® -1 render to wall area, including working around inset tubes.
Allow render to set.
Remove tube and plug hole with Sika® -4a mixed with cement, apply final coats of Sika® -1 render. Mix only sufficient Sika® -4a cement paste that can be used immediately.

Important Care must be taken to ensure that cement to be mixed with Sika® -4a is stored at a temperature above 0° C.
Mixing water should be clean free from any components harmful to cement, and above 5°C.
Substrates must be sound and clean.
All loose particles should be removed and any sharp protrusion levelled off
Mix the cement paste in a clean container.
For mortar of uniform consistency, use measuring cylinders for batching.
The Sika® -4a mixture is first poured into the container. Cement is then sprinkled in quickly until the liquid is covered. Mix quickly and thoroughly into a paste, approximately 1 part liquid to 3 parts cement. Use immediately after mixing.
Mortar that has been left to set cannot be re used and should be discarded.

Safety Instructions

Ecology Do not dispose of into soil or waters but according to local regulations.

Transport Corrosive 8/46 C.

Safety precautions Protect hands with rubber gloves and eyes with goggles.
Accidental splashes to the skin or eyes must be rinsed with clean water or boric acid solution, immediately seek medical attention when in contact with eyes or mucous membrane. Store in well labelled containers.

Toxicity Class 3, under relevant health and safety codes.

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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