

Sika®-4a

Quick Setting Waterproofing Compound

Description □ □	Sika-4a 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 part of a range of internationally used normal and quick setting □ waterproof admixtures.
Technical Data	
Type □	Viscous alkaline liquid
Colour □	Clear
Specific density □	1,25±0,02 kg/l
Storage □	Unaffected by frost down to -20°C. Store in dry conditions.
Shelf life □	18 months from date of production if stored properly in original unopened packing.
Packaging □ □	35 kg minidrums 250 kg drums
Application □ □ □ □ □ □ □ □ □ □	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 Gunité 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 Gunité layer).

Construction

06



Application

Dosage

Dilute 1:1 to 1:4 with clean mixing water depending on the type of application and water pressure. Setting time is 15-45 seconds.
Use only with fresh Portland Cement.

Application

Clean and roughen concrete surfaces.
Remove all loosely adhering particles when working with rock. Using a dilution rate 1:1, 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

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.

Ecology

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

Toxicity

Class 3, under the relevant Swiss Health and Safety Codes.

Transport

Corrosive 8/46 c)

Technical data sheet and label instructions have the priority.

The explanations given in the data sheet are correct and reliable as far as we know and they are in connection with our documentation. In case of applications beyond our control, our warranty is only valid in respect of the quality of the sold product. Our company reserves the right to make changes to the product formulations under the light of our new R&D studies. This technical data sheet is valid until a new one is printed and supersedes all of the former editions.

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