

## SIKA-4a WATER STOP



Colour	Product Code	Pack Size	Box Qty
Clear	SK4A5	5ltr	4

### Product Description

**Sika®-4a Water Stop** is a ready to use quick setting leak stopping liquid which is mixed with water and ordinary Portland cement to produce a paste for leak stopping against high water pressure infiltration.

### Benefits

- Ready to use.
- Rapid setting time
- Just add ordinary Portland cement
- Does not contain chlorides
- Suitable for use with potable water.

### Areas for Use

- Basements, pits and pools.
- Concrete, rock and masonry.
- Subways and tunnels.

### Limitations

- Where high water pressures are experienced, the prepared area around the discharge tubes may need to be increased to provide a larger surface area for bonding the **Sika®-4a** paste.
- Setting times will be affected by ambient temperature, water and **Sika®-4a** temperature, supplier and age of ordinary Portland cement. Trials are recommended varying the **Sika®-4a** /Water dosage, temperature and type of ordinary Portland cement until the required performance is achieved.
- Use only fresh ordinary Portland cement.
- Wear suitable protective clothing, gloves and eye protection.
- **Sika®-4a Water Plug** must always be over-coated with a final waterproof layer.

### Surface Preparation

Remove all loose material and mechanically roughen, clean and enlarge bond area around the leak. If necessary divert the leak to discharge points formed of short lengths of plastic tube bonded into drilled holes using **Sika®-4a Water Stop**

### Application

Use 1 part **Sika®-4a** to 3 parts OPC by volume. Use neat or dilute **Sika®-4a** with clean water to meet the severity or pressure of the leak. Maximum dilution 1 part **Sika®-4a** to 4 parts Water. Do not mix more product than can be placed immediately. Pour neat/diluted **Sika®-4a** liquid into the mixing the mixing container and add OPC. Mix quickly to a paste. Mould the **Sika®-4a** paste by gloved hand into a plug and place immediately into the hole, pressing firmly until the mix has set (setting time depending on dilution rate) Continue as required until entire leak has been plugged.

Where the water flow has been controlled through the discharge points apply the **Sika®-1** structural waterproofing render layers up to the discharge tubes. Note: Do not apply final layer of render until discharge tubes have been removed and water infiltration has stopped.

### Specific Data

TEST	RESULT
Appearance	Clear liquid
SG @ 20°C	1.3-1.35g/cm <sup>3</sup> (approx.)
Consumption	0.35ltrs/kg cement (1-1 dilution), 0.18ltrs/kg cement (1-4 dilution)
Solids Content	33.5-35.5
Application Temperature	+5°C min +35°C max

### Health & Safety

Consult MSDS for full list of hazards.

### Storage

Protect **Sika®-4a Water Stop** from frost and store between 5°C and 20°C

### Shelf Life

12 months from date of manufacture when stored according to manufacturer's instructions.

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