



Sika[®] 4

Rapid Hardener

Technical Data Sheet

DESCRIPTION

Sika 4 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 low water pressure infiltration.

USES

- * To seal against low water pressure and small infiltrations in concrete, rock or masonry.
- * Allows **Sika 1** renders to be applied on structures exposed to surface water.

ADVANTAGES

- * Ready to use.
- * Just add water and ordinary portland cement.
- * Well proven.
- * Does not contain chlorides.
- * Suitable for contact with potable water.

Technical Data (typical)

Form: Liquid

Colour: Brown

Setting times:

Dilution Sika 4 : water	Setting time (mins)	Sika 4 usage litres/kg cement
Neat	45 - 60 (secs)	0.70
1 : 3	1.5 - 2	0.20
1 : 5	4 - 5	0.15

Approved for potable water contact.
Details available on request.



All above values are approximate.

SURFACE PREPARATION

At the location of infiltration, remove all loosely adhering particles, algal growth contaminants etc by localised scabbling, needle gunning etc to roughen and clean substrate.

DOSAGE

Dilution Sika 4 : water	Sika 4 usage litres/kg cement
Neat	0.70
1 : 3	0.20
1 : 5	0.15

MIXING

Place **Sika 4** in a mixing container then add the required amount of water, mix well then add the required weight of O.P.C. and mix quickly to form a paste.

APPLICATION

- * Apply the **Sika 4** paste by gloved hand onto the area to be sealed and hold firmly in place until the mix has set.
- * When water infiltration has stopped the **Sika 1** waterproofing system can be applied.

IMPORTANT CONSIDERATIONS

- * Setting times will be affected by ambient temperature, water and **Sika 4** temperature, supplier and age of ordinary portland cement. Trials are recommended varying the **Sika 4** dosage, temperature and type of ordinary portland cement until the required performance is achieved.
- * Use only fresh portland cement.
- * Wear suitable protective clothing, gloves and eye protection.
- * Use only clean potable water for dilution.

CLEANING

Application and mixing tools should be cleaned with water immediately after use. Hardened material must be removed mechanically.

PACKAGING

Refer to latest price list.

MATERIAL CONSUMPTION

1 kg of portland cement : 0.15 - 0.7 litres of **Sika 4**.
Excluding allowances for loss, wastage and surface profile.

STORAGE AND SHELF LIFE

Minimum 1 year in unopened original sealed containers stored in dry warehouse conditions (+5°C - +30°C).
Protect from frost.

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

SIKA LIMITED

Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ

Tel: 01707 394444 Email: sika@uk.sika.com

Fax: 01707 329129 www.sika.com

