



Sikatard® R/Sika® TMP 118

Retarder and Air Entraining Agent for Ready to Use Mortar

Technical Data Sheet

DESCRIPTION

Sikatard R/Sika TMP 118 is a two component plasticising and stabilising system which delays the set of sand/cement and cement/lime/sand mortars for extended periods while improving workability, reducing bleed water and improving frost resistance.

USES

- * **Sikatard R/Sika TMP 118** are used in conjunction to provide masonry mortars for laying bricks manufactured from absorbent materials such as clay, sand-lime and for concrete blocks.
- * Suitable for both ready mix and site batch operation.

ADVANTAGES

- * **Sika TMP 118** increases the plasticity of the mortar by the entrainment of controlled amounts of air. **Sika TMP 118** also improves cohesion and consistency.
- * The reduced water content can lead to increased compressive strength.
- * **Sikatard R** delays the set of the mortar; however, the set retarding effect declines once in place as moisture evaporates and migrates due to suction enabling setting and curing to occur as normal.
- * Mortar remains workable for 36 hours or more depending on dosage of **Sikatard R**.

Technical Data (typical)

| | |
|--------------------------|----------------------------|
| Form: | Liquid |
| Colour: | Brown |
| Specific Gravity: | R = 1.17 TMP 118 = 1.04 |
| Chloride Content | Nil |

All above values are approximate.

METHOD OF USE

Dosage rates to achieve the desired working life will depend on the class of mortar required for the application (to BS4721), ambient temperature, sand quality and the desired workability. The admixtures must be added separately into the mixing water. They must not be pre-mixed, nor may they be added to dry mix components. Thorough mixing is essential. Mixing should continue until a uniform consistency is achieved.

Sands must comply with the relevant British Standard. Fresh mortar must be contained in a polytub or similar container, a layer of water placed on top in order to prevent drying out and the storage containers covered.

Sands for masonry mortars must be evaluated for their suitability for retarded mortars. Sands containing a high silt content may not be suitable.

DISPENSING

Sikatard R 0.5–1.5% by weight of cement

Sika TMP 118 0.1–0.5% by weight of cement

The correct dosage for the required retardation is best achieved by site trials with the actual materials and mix design. The dosage may require an increase for lime/sand combinations.

Typically 2.5 litres **Sikatard R** and 1.0 litre **Sika TMP 118** per cubic metre for a Class III mortar.

COMPATIBILITY

Sika Admixtures: All
Cements: All

IMPORTANT NOTES

Sikatard R and **Sika TMP 118** conform to BS4887: 'Mortar Admixtures'

Part 1: Specification for air entraining (plasticising) admixtures

Part 2: Specification for set retarding admixture

If bricks/blocks etc are saturated, moisture migration from the mortar will be reduced and setting/ curing delayed.

PACKAGING

Refer to latest price list

STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse condition (+5°C – +25°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.co.uk

