

# PRODUCT DATA SHEET

## SikaTard® R

### SET RETARDING/STABILISING ADMIXTURE

#### DESCRIPTION

SikaTard® R is a liquid admixture developed for the control of cement hydration. SikaTard® R retards/stabilises sand/cement masonry mortars and concrete mixes.

#### USES

SikaTard® R allows the production of retarded/stabilised sand/cement masonry mortars.

SikaTard® R is mainly used for the following applications:

- A wide range of applications where set retarding/stabilising is requested
- In conjunction with SikaCem®-100 MP to provide masonry mortars for laying brick/blocks manufactured from absorbent materials such as clay, sand-line and concrete.

#### CHARACTERISTICS / ADVANTAGES

SikaTard® R retards/stabilises the hydration of the cement.

- Strong retardation/stabilising to enable brick/block laying to continue over long periods of time
- Delays the set of the mortar, however the retarding/stabilising effect declines once in place as moisture evaporates and migrates due to the suction of the brick/block enabling setting and curing to occur as normal
- Provides higher ultimate strengths

#### PRODUCT INFORMATION

<b>Composition</b>	Hydrocarboxylate blend
<b>Packaging</b>	200 litre drum, 1000 litre IBC
<b>Appearance / Colour</b>	Brown Liquid
<b>Shelf life</b>	12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +45°C. Protect from direct sunlight and frost.
<b>Storage conditions</b>	
<b>Density</b>	~1.18 kg/l (25°C)
<b>pH-Value</b>	~8.0 (25°C)
<b>Total Chloride Ion Content</b>	<0.1%

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	0.5 – 1.5% by weight of cement
<b>Compatibility</b>	SikaTard® R may be combined with many other Sika products. Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information and advice about any specific combinations.
<b>Dispensing</b>	SikaTard® R is added to the gauging water or added with it into the mortar/concrete mixer.

## APPLICATION INSTRUCTIONS

The standard rules of good mortar/concreting practice, concerning production and placing, are to be followed.

Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.

Fresh mortar/concrete must be cured properly and curing applied as early as possible.

Dosage rates to achieve the desired working life will depend on the type of mortar required, ambient temperature, sand quality and the desired workability.

## IMPORTANT CONSIDERATIONS

When using SikaTard® R a suitable mix design has to be taken into account and local material sources shall be trialled.

SikaTard® R shall not be added to dry cement.

Overdosing may greatly extend setting time and the possibility of unset mortar in the finished joints.

Saturated bricks/blocks may cause a delay in setting/curing.

Support from our Technical Department is recommended.

Frost: If frozen and / or if precipitation has occurred, SikaTard® R may be used after thawing slowly at room temperature followed by intensive remixing.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## 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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All products are supplied  
under a management  
system certified to conform  
to the requirements of the  
quality, environmental and  
occupational health &  
safety standards ISO 9001,  
ISO 14001 and OHSAS  
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