BUILDING TRUST

PRODUCT DATA SHEET

SikaTard® R ZA

Set retarding/stabilising admixture

DESCRIPTION

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

USES

SikaTard® R ZA allows the production of a wide range of applications, both for mortars and concrete, where set retarding/stabilising is requested.

CHARACTERISTICS / ADVANTAGES

SikaTard® R ZA retards/stabilises the hydration of the cement for:

Mortar applications:
- 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 the moisture evaporates and migrates due to the sunction of the brick/block enabling setting and curing to occur as normal.
- Provides higher ultimate strengths.

Concrete applications:
- Increase the setting time of concrete.
- Used in high temperature applications.
- Used for large concrete pours, to minimize the risk of cold joints.
- Increase the workability retention time of concrete.
- After the retardation period, maintains normal concrete hydration and ultimate concrete compressive strengths

PRODUCT INFORMATION

Chemical Base	Hydrocarboxylate blend
Packaging	200 Litre drums 1000 Litre
Appearance / Colour	Brown clear liquid
Shelf Life	12 months from date of production
Storage Conditions	Store in undamaged and unopened, original sealed containers, protected from direct sunlight at temperatures between +1°C and +35°C
Density	1.11 kg/l
pH-Value	7.0 +/-0.5

APPLICATION INFORMATION

Recommended Dosage	0.2 – 1.5% by weight of cement (Mortar applications) 0.2 – 0.8% by weight of cement (Concrete applications) Always perform concrete trials, to determine a suitable dosage for your application.
Compatibility	SikaTard® R ZA 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.

BASIS OF PRODUCT DATA

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

LIMITATIONS

When using SikaTard® R ZA a suitable mix design has to be taken into account and local material sources shall be trialled.
SikaTard® R ZA 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 Services Department is recommended.
Frost: If frozen and/or if precipitation has occurred, SikaTard® R ZA may be used after thawing slowly at room temperature followed by intensive remixing.

ECOLOGY HEALTH AND SAFETY

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

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 or concrete required, ambient temperature, sand quality and the desired workability.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically

DISPENSING

SikaTard® R ZA is added to the gauging water or added with it into the mortar/concrete mixer.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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