

PRODUCT DATA SHEET

SikaControl®-3323 A

(formerly MasterCast® 3323)

High Performance Plasticizer Admixture for Plaster Mortars

DESCRIPTION

SikaControl®-3323 A is a high-performance micro air entraining mortar admixture designed to improve impermeability, workability, and Freeze-Thaw resistance in plaster mortars.

SikaControl®-3323 A also acts as a dual-purpose high-performance plasticiser and deflocculating agent with controlled retardation.

USES

- In inner-outer spaces for vertical applications.
- In plaster mortars to reduce permeability.
- In brick and stone coating mortars for improving workability.
- Hot weather concreting, where controlled delay to initial set is of prime importance.
- Ready-mix mortar concrete, where workability retention coupled with retardation of initial set are beneficial.

PRODUCT INFORMATION

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| Packaging | SikaControl®-3323 A is available in 1000 litre IBC's. |
| Shelf Life | Up to 12 months if stored according to manufacturer's instructions in unopened containers. |
| Storage Conditions | Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. |
| Appearance / Colour | Clear yellowish liquid |
| Density | 1.160 -1.180 |
| pH-Value | 6.0 – 8.0 |

CHARACTERISTICS / ADVANTAGES

- Has homogenous air entraining property.
- Reduces placing problems in hot weather concreting, by improving workability and workability retention.
- Improves resistance to Freeze-Thaw attack.
- Improves trowelability and surface finish.
- Improves pumpability of concrete.
- Reduces permeability.
- Enables economical mix designs

APPROVALS / STANDARDS

EN 934-3: T2

TECHNICAL INFORMATION

Effect on Setting

SikaControl®-3323 A acts efficiently to give controlled retardation of initial set. Setting times of mortar mixes are related to cement type and ambient temperatures.

A severe over dosage of SikaControl®-3323 A will result in the following:

- Retardation of initial and final set.
- Slight increase in air-entrainment.
- Increase in workability.

Provided it is properly cured, the ultimate strength of the concrete will not be adversely affected and will generally be higher than for normal concrete. The retarding effects of very high dosages will be exaggerated with SRC.

SYSTEM INFORMATION

Compatibility

SikaControl®-3323 A can be used with all types of Portland cement, including SRC. For use with other special cements, contact the Sika Technical Services Department.

SikaControl®-3323 A should not be pre-mixed with other admixtures. If other admixtures are to be used in conjunction with SikaControl®-3323 A, it must be dispensed separately. Consult the Sika Technical Services Department for advice.

APPLICATION INFORMATION

Recommended Dosage

In all cases, we recommend that trial mixes are carried out to determine the correct levels of admixture required to achieve the desired concrete properties. SikaControl®-3323 A is normally dispensed, depending on the desired plasticising or water-reducing effect, at a rate of:

200 - 1000 ml/100kg cementitious content. Other dosages may be used, depending on the materials and conditions. In this case please consult our Technical Services Department for advice.

Dispensing

SikaControl®-3323 A is introduced into the mixer with the mixing water. The admixture works more efficiently if it is added to the dampened mix after 50-70% of the water has been introduced. No extension to normal mixing time is necessary.

SikaControl®-3323 A should never be added to dry cement.

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.

ECOLOGY HEALTH AND SAFETY

SikaControl®-3323 A is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the material safety data sheet.

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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Product Data Sheet

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