

PRODUCT DATA SHEET

SikaGrind[®] AE 5330

(formerly MasterCem[®] AE 5330)

High Performance Cement Additive to Increase Air Content in Masonry Cement

DESCRIPTION

SikaGrind AE 5330 is an aqueous solution of anionic and non-ionic surfactants. It is specially formulated to provide superior workability and placeability of the Masonry cement.

SikaGrind AE 5330 is compatible with all types of cement.

USES

- Masonry Cement

For additional information on SikaGrind AE 5330 and its use in developing special performance characteristics, contact your local Sika Sales field representative.

CHARACTERISTICS / ADVANTAGES

SikaGrind AE 5330 is specially developed with the most active surfactants and effective bonding agent that increase the formation of bubbles in the cement mortar and provide excellent surfaces bonding between the cement mortar and the dry/damp concrete. These double actions improve the Masonry cement workability and placeability significantly.

SikaGrind AE 5330 contributes the following benefits to cement manufacturers

- Increased entrained air in Masonry cements.
- Improved workability of cement paste.
- Improved the plastering characteristics of cement paste.
- Improved cohesion, reduced segregation and bleeding of cement paste.
- Provided closed textured surface, dense and uniform cement paste.

PRODUCT INFORMATION

Packaging	210L sealed drums, 1000L IBC tanks
Shelf Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage Conditions	Store at temperatures above 5 °C, in tightly sealed original packaging. If found to be frozen, thaw it at 20 °C and reconstitute by stirring.
Appearance / Colour	colourless to yellow liquid
Specific gravity	1.01 to 1.04

APPLICATION INFORMATION

Recommended Dosage	The typical dosage rate for MasterCem AE 5310 is 500 to 1200 gram/ton of cement. The air entrainment and workability of Masonry cement is influenced by the chemical and physical composition of the basic ingredients of the cement, grinding process parameters and clinker characteristics. Plant trial or laboratory scale ball mill test is recommended to determine the optimum dosage required to achieve specific requirements.
Dispensing	SikaGrind AE 5330 can be added at the clinker feed conveyer belt or directly into the cement mill's first compartment. A proper dosing pump is required to ensure the correct dosage into the cement for obtaining the optimum performance. Our technical supports are available to provide assistance in the use of SikaGrind AE 5330 with the manual, automatic or computerized dispensing system.

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

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

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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