

PRODUCT DATA SHEET

SikaGrind® AE 5315

(formerly MasterCem® AE 5315)

CEMENT ADDITIVES FOR AIR ENTRAINING AND PLASTICIZING OF MASONRY CEMENT

DESCRIPTION

SikaGrind® AE 5315 is a liquid, ready-to-use additive for masonry cement or other cements requiring air entraining. High end raw materials are used to guarantee a superior performance of the product. SikaGrind® AE 5315 is highly recommended for use on both the horizontal ball mill and vertical roller mill applications.

USES

- Masonry cement
- Blended hydraulic cement
- Mortar cement

FEATURES

SikaGrind® AE 5315 offer the following benefits to cement production:

- Enhanced mortar paste workability due to the air entraining effect. Faster mixing and application, with fewer efforts for workers and better cohesion to walls. Reduced bleeding and segregation.
- Improved plaster quality (less cracks) and durability, due to better water retention and more regular hardening.
- Cost reduction and optimized cement operations, due to lower unit grinding energy (kWh/t), faster conveyance and optimized storage.

PRODUCT INFORMATION

Composition	Organic and inorganic solutions
Packaging	1 000 Kg IBC (non-returnable) 1 000 Kg bulk delivery
Shelf life	12 months from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost.
Appearance	Liquid

APPLICATION INFORMATION

Recommended dosage	300 – 400 ppm by weight of mill feed. Individual dosage may vary due to different type of clinker, type of mill, desired results and job or task conditions.
Compatibility	SikaGrind® AE 5315 is compatible with all types of cement depending on the purpose of the final objectives. It complies with ASTM C465-19 as a non-harmful processing additive.

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

DISPENSING

SikaGrind® AE 5315 can be added at the clinker feed conveyor 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 5315 with the manual, automatic or computerized dispensing system.

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 exact product data and uses.

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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