

PRODUCT DATA SHEET

Addiment® CFE 2315

STRENGTH ENHANCER AND GRINDING AID

DESCRIPTION

Addiment® CFE 2315 is a new generation strength enhancer and grinding aid for cement production completely chloride free. The use of this admixture allows to increase the strength of cement at all the seasoning. This new type of admixture was studied to face the increasing demanding needs due to the new European regulations on cement and to the new quality standards emerging from a more and more competitive market. Addiment® CFE 2315 is a product with a low dosage that allows to reduce considerably the costs of transport. This product is particularly suitable for cement type I or II to the limestone, but is effective also on slag and fly ash cements. The constant increase of compressive strengths at early and long seasoning allows to reduce the clinker ratio in the cement, with a significant reduction of the production cost.

USES

Addiment® CFE 2315 is very effective on portland cement type I and II A/LL with Limestone, Slag and Fly ash cements.

CHARACTERISTICS / ADVANTAGES

Addiment® CFE 2315 improves the efficiency of grinding plants, working as a dispersing agent of electrostatic charges on cement grains that cause agglomeration and plugging. It improves furthermore the mechanical strength, working as a catalyst of cement hydration processes. It is possible to obtain:

- Higher mechanical strengths particularly at early and late seasoning.
- Lower cement production cost, thanks to clinker savings.
- The increase of the whole range of mechanical strength allows to achieve a lower Blaine Specific Surface (SSB), keeping constant the cement properties.
- Higher efficiency of the grinding system and cost saving as kWh/ton.
- Higher flowability in mortar and concrete

PRODUCT INFORMATION

Packaging	
Appearance / Colour	Brown Liquid
Shelf life	9 months.
Storage conditions	Store in the original sealed containers, protected from frost and direct exposure to sun at temperature ranging +5 to +35°C.
Density	~1,075 kg/dm ³ at 20°C
pH-Value	~10,5

APPLICATION INFORMATION

Recommended Dosage	The recommended dosing range is between 0.03% e 0,09% on the cement weight. Is recommended specially the preliminary execution of lab tests and industrial test in order to determine the optimal dosage of the product.
Compatibility	Cements treated with Addiment® CFE 2315 are compatible with all commercial concrete admixtures like air entrainers, water reducers, retarders and superplasticizers. The performance of concrete admixtures is not adversely affected by the use of Addiment® CFE 2315.
Dispensing	Addiment® CFE 2315 should be accurately dosed through an accurate dosing system into the grinding mill or onto the clinker-feeding channel. Periodically you should check that the admixture line end is not plugged by cement. Sika Italy assures the technical assistance of its field engineers to figure out the optimized use of its admixtures, for Lab and industrial trials.

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.

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.

ECOLOGY, HEALTH AND SAFETY

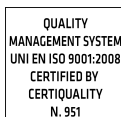
For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.

Sika Italia S.p.A.

Via Luigi Einaudi, 6
20068 Peschiera Borromeo (MI)
Phone: +39 02 54778 111
Fax: +39 02 54778 119
info@sika.it
www.sika.it



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