

PRODUCT DATA SHEET

SikaGrind®-288 MY

Grinding aid for the production of limestone powder

DESCRIPTION

SikaGrind®-288 MY is a chloride free liquid additive to allow easier grinding of limestone. SikaGrind®-288 MY has been specifically developed to obtain limestone powder without brown or yellow discolorations.

USES

SikaGrind®-288 MY is used in the grinding of limestone to:

- Increase the production rate
- Improve the efficiency of the mill and separator

CHARACTERISTICS / ADVANTAGES

SikaGrind®-288 MY is a very effective dispersant with the following characteristics:

- Neutralisation of electrical charges on the surface of limestone particles
- Separation of the limestone particles

SikaGrind®-288 MY provides the following advantages in the limestone production:

- Higher efficiency of the plants (tons per hour) due to reduced grinding time per ton
- Higher separator efficiency due to improved dispersion
- Faster achievement of the desired limestone fineness
- Reduced re-agglomeration of the limestone particles
- Less accumulation of material on grinding equipment (grinding balls and mill)
- Cost savings due to a lower power consumption per ton
- Easier handling and minimized problems with “plugging” due to improved flow characteristics
- Improved self-levelling of the limestone powder in the silo

SikaGrind®-288 MY gives the following advantages to the finished limestone powder:

- Reduced handling costs especially on pneumatic conveying systems
- Reduced risk of hydration in the silo
- Easier discharge of the silos
- Optimum limestone granulometry (reduced quantity of “over-milled” particles)
- No brown or yellow discolorations

PRODUCT INFORMATION

Composition	Glycol based solution
Packaging	<ul style="list-style-type: none"> ▪ 1 000 L IBC ▪ Bulk deliveries
Appearance / Colour	Colourless liquid
Shelf Life	12 months from date of production
Storage Conditions	<p>Store in undamaged, unopened and sealed original containers at temperatures between +5 °C and +35 °C. Protect from frost, direct sunlight and contamination.</p> <p>Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.</p>

APPLICATION INFORMATION

Recommended Dosage

Typical dosage rates of SikaGrind®-288 MY are between 0.3–1.5 kg per tonne of limestone. The optimum dosage, which changes according to the properties of each source, type of limestone and other plant variables, should be determined in plant trials according to the desired properties of the limestone powder.

For consistent results, SikaGrind®-288 MY must be accurately dispensed.

Compatibility

Limestone powder treated with SikaGrind®-288 MY is compatible with associated downstream processes and should be verified via 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.

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®-288 MY is added into the grinding mill (first or second compartment), onto the limestone feeding channel or sprinkled / dropped onto the raw material on the conveyor belt. Suitable dosing pumps with adjustable flow rates should be used for accurate dosing.

Note: Periodically, the end of the additive tube should be checked to ensure, that it is not blocked with limestone powder/dust.

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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