

MYK Grind CAT 23

Cement Grinding Additives

Technical Data Sheet

Product Description:

MYK Grind CAT 23 is an aqueous solution with the following Specification.

Specifications:

Specific Gravity : 1.050 - 1.130
 Insolubles : 0.1% max.
 pH @27°C : 8 - 10
 Viscosity: Maximum 20 Seconds using B4 Cup@27°C
 Foaming Tendency: None.

MYK Grind CAT 23 is one of the most effective dispersants yet developed for use as a grinding aid for portland cement and other hydraulic cements.

MYK Grind CAT 23 greatly improves the efficiency of the grinding process by reducing the surface energy forces which cause agglomeration of the newly fractured cement particles.

MYK Grind CAT 23 is effective in both open circuit and closed circuit cement mills.

Advantages:

- Increased mill output at same cement fineness:
- Reduced grinding costs

The increased mill output with MYK Grind CAT 23 at same cement fineness and energy consumption provides savings through lower grinding costs per ton of cement.

- Higher cement strengths:

MYK Grind CAT 23 significantly increases compressive and flexural strengths of cements, particularly at early ages. Increases as high as 12 % are not uncommon however the average of all tests for all ages is 8 %.

- Greater bulk density:

MYK Grind CAT 23 increases the bulk density of cement by up to three percent, providing increased storage capacities of silos and bulk carriers.

Handling:

MYK Grind CAT 23 may be dispensed as received. However, dilution with 5 parts water or more is recommended to ensure greater proportioning accuracy and better additive distribution. Suitable dispensing pumps with adjustable flow rates should be used for optimum performance. Diluted MYK Grind CAT

23 may be added onto the clinker conveyor belt or sprayed into the mills first compartment.

Addition Rates:

MYK Grind CAT 23 typical dosage rates will vary from 0.01% - 0.08% by weight of cement for Types I & II cements and 0.04 % - 0.10 % by weight of cement for Type III cements.

Blaine Surface Area (cm ² /gram) %	MYK Grind CAT 23 Dosage Rate by weight of cement	Cement type
2700 - 3500	0.01 - 0.06	I
3500 - 4500	0.03 - 0.08	II
over 4500	0.05 - 0.10	III

Handling:

MYK Grind CAT 23 may be dispensed as received. However, dilution with 5 parts water or more is recommended to ensure greater proportioning accuracy and better additive distribution. Suitable dispensing pumps with adjustable flow rates should be used for optimum performance. Diluted

MYK Grind CAT 23 may be added onto the clinker conveyor belt or sprayed into the mills first compartment.

Dosing Equipment :

MYK grinding aids should be accurately proportioned through a calibrated dosing system, suitable for the cement mill and output required.

Packaging:

MYK Grind CAT 23 is supplied in 200 kgs HDPE Drum or in bulk by tanker trucks. It contains no flammable materials.

Storage:

Protect from freezing. Once frozen, the product should be Thawed out slowly and re-mixed thoroughly prior to use.

Use before : Six months from the date of manufacturing if stored under dry and shaded area and if sealed pack.

Technical Services:

On request, Field Engineers from MYK Schomburg India Pvt. Ltd are available to assist in laboratory and mill test evaluations of MYK Grind CAT 23. Within 6 months from the date of manufacture.

Quality Policy:

MYK Schomburg is committed to quality performance. We will satisfy the market needs with innovative products which maximizes performance and value.

Technical Support:

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg.

MYK SCHOMBURG INDIA PVT LTD
(An Indo-German JV)
8-2-703/A, 3rd Floor, Leela Gopal Towers,
Road No. 12, Banjara Hills,
Hyderabad -500 034
Tel: +91 40 3040 0000
Email: mykschomburg.com
www.mykschomburg.com