

CEMAX 360RM

Grinding Aid for Raw Materials

Uses

CEMAX 360RM is aqueous solution of dispersing agent for use as a grinding aid for raw materials. CEMAX 360RM is a modified carboxyl-base chemical.

Advantages

- A reduction in ball and liner coating which results in grinding efficiency improvement.
- A reduction in agglomeration which increases classifier throughput.
- An increase in raw materials mill output up to 20 % at the same material fineness.
- A reduction in grinding cost per unit of material.

Technical Data

Product specifications for CEMAX 360RM are as per the following table:

Appearance	Brown liquid
Shelf Life	12 months
Specific gravity	1.09 – 1.11
pH	3.0 – 5.0

Compatibility

CEMAX 360RM is suitable for use in the raw mill grinding.

Addition Rate

CEMAX 360RM is used at recommended standard dosage rate by weight of materials. Individual dosage may vary due to different type of materials, type of mill and desired mill output. The recommend dosage is 0.04 - 0.10 % by weight of materials.

Dosing Equipment

CEMAX 360RM is added to the limestone belt conveyer using a dispensing system. Fosroc representatives will advise the best location for the dispensing system. No water addition is necessary. Fosroc representatives can advise on suitable equipment for installation.

Storage

CEMAX 360RM can be stored 12 months in its original packaging.

Packaging

CEMAX 360RM is supplied in 210 or 1000 litre tanks, or by tanker delivery. It contains no flammable materials.

Technical Services

Fosroc representatives are available for laboratory and mill test. Complete testing equipment and procedures for analysing mill performance and pack set index are supplied during trials. Fosroc representatives are also available at all times while using Fosroc products for servicing, technical support and troubleshooting.

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Typical Performance Data CEMAX 360RM

Application	Increase in Raw Mill Output	
	Control	CEMAX 360RM
RAW MILL		
Limestone	177	187
Shale	27	32
Silica	9	10
Iron Ore	3.2	2.3
Actual Total Feed Rate (Ton/Hour)	217	245
Raw Mill Improvement (%)		13%
Additive Dosage (%)	0	0.04
Moisture	0.6	0.5
Fineness 90m	16.5	16.1
Fineness 212m	1.1	1
C ₃ S	74.0	77.2
Re-circulating Load (TPH)	68	51
Mill Motor (AMP)	217	220
Bucket Elev. (AMP)	31	32
Separator Vane Opening (%)	38	38
Inlet Temp. (°C)	270.6	339.3
Outlet Temp. (°C)	91	97

Typical Performance Data CEMAX 360RM

Application	Reduction in Residue Percentage		
	Unit	Control	CEMAX 360RM
Parameter			
Composition Raw			
Limestone	%	80	80
Clay	%	14	14
Bauxite	%	3	3
Iron Ore	%	3	3
Additive Dosage	%	0	0.1
Residue			
212 micron	%	2.8	1.2
90 micron	%	5.6	2.9
45 micron	%	10.1	7.9

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Composition Raw			
Limestone	%	80	80
Clay	%	14	14
Bauxite	%	3	3
Iron Ore	%	3	3
Additive Dosage	%	0	0.03
Residue			
90 micron	%	3.8	2.6



Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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