

ACB 3580

CEMENT GRINDING AID

Increase early and ultimate strength of cement.

PRODUCT PROPERTIES:

- Increase mill productivity, reduce grinding energy costs.
- Increase early and ultimate strength.
- Improve physical properties of raw materials.
- Increase the flexibility of cement during transportation.
- Increase cement volume, increase storage efficiency.

AREAS OF APPLICATION:

- Grinding cement according to EN 197-1 standard from type I to type V and high-aluminum cement.
- Grind all types of cement according to ASTM.
- Grind all types of cement according to TCVN.
- Suitable for ball mill, vertical mill and horromill.

APPLICATION NOTES:

- **ACB 3580** is an active grinding aid specifically designed to increase the productivity of grinding stations and promote increased strength of finished cement products to help reduce the clinker/cement ratio.
- Increase mill productivity (from 10% to 15%), increase early and ultimate strength of cement (from 10% to 15%). Therefore, it allows reducing Clinker content (from 5% to 10%).
- Improves the efficiency of closed-cycle mills by preventing adhesion on the grinding equipment, baffles and liners while ensuring smoothness of the cement. Due to the reduced re-agglomeration of particles after grinding, the amount of reflux to the mill is reduced, thereby improving the efficiency of grinding aid.
- The volume of cement increases and the flexibility of cement increases during transportation.
- Can be pumped directly into the crusher or onto the conveyor belt that transports raw materials before the crusher.
- Absolutely do not mix with other products.
- Can be used with all standard cement types as well as sulfate resistant cement.
- Does not contain any hazardous substances. It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.
- Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. In the event of contamination, wash thoroughly with water. If the eyes or mouth are affected, wash with clean water and obtain medical attention immediately.
- Store in a cool, dry place, away from direct sunlight.

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TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Density	kg/dm ³	1.090 ± 0.05	
Dosage	kg	0.2 – 0.6	Per 1000 kg of cement
pH-Value (20°C)	°C	10 ± 2	
Alkaline content	%	< 1.0	NaOH equivalent

PRODUCT CHARACTERISTICS:

Standard	Complies with ASTM C465-16
Color	Brown-Black
Physical state	Liquid
Shelf-life	12 months
Packaging	200 L drums
	1000 L IBC tanks
	Tank trucks

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition **11/23**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.