



Aug 2023 Version

BestCem 401

Cement grinding aid and strength enhancer.

Description:	BestCem 401 is a compound of Amine and functional groups. The perfect combination provides significantly improves the quality of Portland cement, exceptionally Blended Portland cement.
Recommended uses:	BestCem 401 has been specifically designed to increase the strength of the cement. It works well for both Portland and Blended Portland cement. BestCem 401 can be applied to different cement grinding systems.
Advantages:	<p>BestCem 401 provides outstanding advantages in the following:</p> <ul style="list-style-type: none">• Promotes thorough a process of cement hydration, increasing cement's early and late strength. Increased early strengths• Enhanced grinding properties of the cement mill by 10% while remain the cement's fineness.• Easier achievement of the desired cement fineness and improved cement particle dispersion.• Do not increase the mixed water of cement mortar.• Cut down the cost per ton of cement due to the high amount of clinker replacements.• Environment-friendly, friendly to workers.
Approvals:	Test results indicate that the product can withstand Vietnam's weather.

PRODUCT INFORMATION:

Supplies form:	Viscous liquid, transparent to light yellow color. The appearance could become as darker over time but does not affect the quality of the product.
Chemical composition:	Combination of Amines and functional groups.
Density (kg/L):	1.05 ± 0.02 @ 25°C.
pH:	11.5 ± 1.0 @ 25°C.
Storage:	Place in a cool and dry place, to avoid frost.
Shelf life:	12 months if stored properly in original unopened packaging.
Packaging:	1100 kg/ tank or requirement.
Dosage:	0.03 ÷ 0.06% cement amount (depending on the fineness of cement, type of cement, clinker mineral composition, and milling process...).
Optimal Dosage:	0.035%. The optimum dosage to achieve the desired characteristics shall be determined in Plant trials.

BESTMIX CORPORATION

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GUIDE TO APPLICATION:

Application: Use suitable dosage pumps with an adjustable flow rates system to pump BestCem 401. The product is added onto the clinker feed shortly before the mill entrance or directly into the grinding mill. It is possible to dilute BestCem 401 with clean water before pumping it into the grinding system.

Note: Do not add any other product (except clean water) to BestCem 401 before and during use.

Cleaning: Clean equipment and tools with clean water.

Health and safety: BestCem 401 does not belong to the specified hazard classification. However, BestCem 401 is alkaline, it can cause allergy to sensitive skin when exposed for a long time. Gloves, masks, and goggles should be worn when using the product. In case of contact with the eye, nose, or mouth must be washed immediately with clean water before coming to the nearest medical center for prompt treatment and the right method. Dispose of as per local regulation.

Disclaimer:

The technical information and application instructions in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change the features of our product, user must always refer to the latest technology product.

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