

Grace Cement Additives

Background

Cement and Concrete in Construction

Of the vast range of materials available for modern construction, nothing surpasses portland cement concrete for strength, value and versatility. It can be cast in any contour, color or surface texture to perform almost any structural or aesthetic function.

With portland cement, every batch of concrete can be designed for the best combination of strength, workability, durability and other physical properties required by the construction contract, at the most economical cost.

High Performance Cement Additives

Chemical additives are compounds that, when interground with clinker and other constituents, greatly expand the performance parameters of cements.

Essentially, chemical additives allow cement manufacturers to produce various types of cements in exact compliance with their specifications, at more economical costs. They also provide special performance characteristics which otherwise may be difficult to achieve.



High Performance Additives

- **Grinding aids and pack set inhibitors** for portland cements formulated to increase mill production and reduce energy consumption.
- **High performance grinding aids** to overcome excess clinker production bottlenecks and seasonal cement sales peaks.
- **Special grinding aids** for white cements, pigments and other minerals.
- **Grinding aids for raw mills** used to reduce water requirements of slurries and energy in wet processes.
- **Quality improving and strength enhancing additives** to significantly reduce production costs and to increase total output of mixed cements, slag and fly ash cements.
- **Air-entraining, quality enhancing additives** for production of air entrained cement and masonry cements.

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