

Mineral Technologies

High Performance Additives for the Cement Industry



MWV Specialty Chemicals Division

- Quality
- Stability
- Innovation

MeadWestvaco (MWV) has been supplying high performance specialty chemicals into the cement industry for more than 50 years. With a strong position in the pine chemicals industry, strategic access to raw materials and in-lab product development capabilities, we've created a long history of quality, stability, and innovation. MWV has the unique capability of manufacturing both tall oil and lignosulfonates. Founded on the principles of renewable resource management, MWV is committed to environmental, economic and social sustainability that helps our customers by providing product solutions to grow their businesses.



MWW Products

- High-performance additives for the cement manufacturing industry
 - Economic packages to achieve multiple performance objectives
 - Benefits for both the cement manufacturer and the end user
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ULTRA PLAS

Premiere Masonry Additive

ULTRA PLAS is designed to control the critical parameters of air entrainment, set time retardation, and plasticity. By controlling these parameters in varying degrees, Ultra Plas achieves performance balance to meet raw material and processing conditions at the cement plant site.

Performance

- Air entrainment – Meets the air targets established by the cement manufacturer; meets ASTM C-91.
- Workability – Balanced chemistry for air entrainment and plasticizers satisfies workability for masons.
- Board life and set time – Designed for board life necessary for placement and a suitable set time.

Benefits

- “Packaged” approach eliminates individual additives.
- Greatly reduces or eliminates a separate grinding aid.
- Imparts waterproofing properties to the cement.
- Stable, free flowing solution will not separate and is not damaged by freezing.
- Environmentally friendly; no hazardous compounds.

REAX 65AE

REAX 65AE is a basic air entrainer and waterproofing agent. Primarily used for masonry cement, it has also been effectively used in air entrained Portland cement. The use of separate grinding aids can be reduced or eliminated.

MORTAR PLAS

Advanced Additive

MORTAR PLAS is an advanced chemical additive package incorporating highly effective polymer plasticizers which provides a high level of workability to low-air entrained mortar while meeting set time targets.

Performance

- Air entrainment – Ensures the correct level of air entrainment levels to meet ASTM C-1329.
- Workability – Through the use of advanced polymers, the product provides superior plasticity to achieve the workability required by the mason.
- Board life and set time – Provides the board life necessary to allow time for placement while ensuring a suitable set time.

WATER REDUCERS, ADDITIVES

MWW also provides water reducers and other additives used in the cement industry. Our innovative product development capabilities and a strong position in raw material resourcing gives us the capability to develop products to meet customers' needs. Ask us today about unique solutions for your business.

CEMENT INDUSTRY EXPERTISE

- Technically astute, highly experienced
- Solution matching
- Specifications, code understanding

Our strength of chemistry is matched by our strength of technical support. Our experienced technical staff ensures the customer's requirements are met while complying with applicable ASTM and construction specifications. Our laboratory in Charleston, South Carolina, is equipped to test the effects of our additive packages on product performance. In addition, technical resources are available to be involved with full scale trials at customers' sites. This ensures we match the right solution to the customer's specific processing conditions and raw materials.



Contact us to learn more about cement additives and mineral technologies.

843.740.2236 Phone

843.740.2147 Fax

www.mwvspecialtychemicals.com

