

Product Showcase

Admixtures

Master Builders Solutions

Master Builders Solutions® are concrete additives that improve the entire autoclaved aerated concrete (AAC) production process. MasterCast allows for reduction in the water content, improving rheology without impairing the pore formation process and ensuring shorter setting times and a shorter pre-curing phase. MasterFinish release agents allow for easier formwork removal and more efficient cleaning and maintenance of formwork. MasterPel provides a hydrophobic effect, preventing moisture accumulations in the ACC yet keeping the material open to the diffusion of air and water vapor. Master X-Seed acts as a hardening accelerator, allowing production efficiency. Lastly, MasterFiber reduces drying shrinkage and cracking, improves stability, and reduces the risk that aerated concrete may fracture during handling.

—BASF, <https://www.basf.com>



Re-Con Zero

Re-Con Zero is used to recover concrete returned to mixing plants, with zero investment required for treatment plants. Re-Con Zero is a two-component powder made from special polymers and inorganic composites according to a formula developed in the MAPEI research laboratories. The product allows complete and rapid recovery of material directly from concrete trucks. It transforms returned concrete into an aggregate that, once cured, may be used to partially replace natural aggregates for normal concrete, or to completely replace natural aggregates for lean concrete, substrates, mixed, and cements. Treating concrete with Re-Con Zero does not generate waste or by-products, such as rinsing water or fines, because the process allows the cementitious conglomerate to be completely recovered. After treatment, the inside of the mixing drum is extremely clean, even though considerably less rinsing water is required compared with the amount normally used for cleaning mixing drums at the end of the day.

—MAPEI, www.mapei.com

HYDRAPEL Mortar Admixture

Euclid's HYDRAPEL Mortar Admixture is a dry-blended formula based on hydrophobic powders and other key ingredients. This dry polymer-based admixture imparts water repellency, efflorescence control, and increased mortar bond strength without affecting plastic mortar properties or slowing construction rate. It is available for use in both dry packaged cements/mortars as well as jobsite-produced mortars. It can also be used in stucco and masonry grout fill. HYDRAPEL Mortar Admixture meets the performance criteria of ASTM C1384 for both water repellency and bond enhancement. It is highly effective at resisting wind-driven rain per ASTM E514/E514M (extended to 72 hours) and is a vital component of the HYDRAPEL System.

—The Euclid Chemical Company, www.euclidchemical.com

QC-Pak

QC-Pak is a small, portable box for safely carrying Fritz-Pak products like Air Plus and Super Air Plus in concrete trucks. The label identifies which truck/driver the box belongs to, so plant managers can keep track of their inventory. Air Plus and Super Air Plus are dry, powdered admixtures, packaged in patented ready-to-use water-soluble bags. They are recommended for all types of air-entrained concrete when an increase in entrained air content is necessary. At the rate of one bag per truckload, Air Plus and Super Air Plus provide 0.5 to 1% and 1 to 2% correction of air content in concrete, respectively.

—Fritz-Pak Corporation, <http://www.fritzpak.com>