



THE TECH SHIELD SYSTEM

Proven Chemistry, Advanced Technology

The Tech Shield System represents the latest advancement in water repellent admixture technology. While only recently introduced for concrete masonry construction, ICT's Tech Shield System is based on proven chemistry with a 20 year history of successful use.

Until the early 2000s, all admixtures used to produce integrally water repellent CMU/masonry mortar were based on plant and animal fat-based (organic) chemistries. While these products effectively reduce water penetration and moisture-wicking potential of CMU/masonry mortar, they are inefficient and often intrusive to the block manufacturing and construction process.

In 2006 a new class of integral water repellent admixtures was introduced in North America. These "new generation" silicone-based (inorganic) additives had been used successfully for several years in Europe, Asia, and Australia before coming to our shores. This base chemistry has since become the industry standard for protecting concrete masonry structures from the damaging effects of moisture intrusion and migration. In fact, every admixture supplier to the concrete masonry industry utilizes silicone/silane/siloxane chemistry for its high efficiency, performance, and user-friendliness.

ICT has further advanced this proven technology by striking synergies with other key components in our line of Tech Shield admixtures and Tech Shield System. Heightened capabilities include wind-driven rain resistance, color integrity, service life, and consistency.

Obviously, new products aren't brought to market with a long history of use. However, ICT's Tech Shield System is simply the next generation of a proven family of water repellent admixture systems. Specify the **Tech Shield System** to protect your client's next building investment.

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