



Tech Shield System FAQ

WHAT IS AN INTEGRAL WATER REPELLENT?

Integral water repellents are water-resisting (hydrophobic) chemical additives that are used in the production of concrete masonry units (CMU) and masonry mortar. These polymeric admixtures form an internal protection mechanism that is consistent throughout these otherwise absorptive cementitious materials.

The Tech Shield System of individually formulated Block and Mortar Admixtures provides lasting moisture penetration resistance for exterior walls and is particularly beneficial for single-wythe construction. Suppliers of this system have been pre-qualified through rigorous water repellency testing and industry standardized certifications procedures.

WILL THE TECH SHIELD SYSTEM PREVENT ALL MOISTURE FROM ENTERING A BUILDING?

The Tech Shield System addresses the physical properties of the masonry materials by making them resistant to moisture and related damage. This is a key first step toward designing single-wythe construction since the masonry wall structure also serves as the building envelope. Proper masonry design, detailing, and execution are also essential to the moisture mitigation strategy.

HOW LONG DOES THE PROTECTION OF THE TECH SHIELD SYSTEM LAST?

The Tech Shield System is designed to last the life of the masonry structure.

ARE SEALERS, PAINTS OR OTHER COATINGS COMPATIBLE WITH THE TECH SHIELD SYSTEM?

Any topical products that are formulated for use with concrete masonry can be applied to Tech Shield treated concrete masonry construction. Silane/siloxane sealers, latex paints, acrylics, cementitious coatings, and water-based epoxies are all suitable for use. ICT offers a line of topical sealers for this application.

If you would like additional information, please call (908) 453-2737, or visit our website at www.bestadmix.com.