

Integral Water Repellent Admixtures

- ConTec TS-922
- ConTec TS-923
- ConTec TS-941
- ConTec TS-942
- ConTec TS-943
- ConTec WR-650
- Tech Shield Mortar Admixture



Tech Shield System

The **Tech Shield Water Repellent System** from Innovative Concrete Technology, LLC protects concrete masonry structures from rainwater intrusion & related damage.

The Tech Shield System utilizes admixtures for both concrete masonry units (CMU) and for masonry mortar.

1. The blocks (CMU) are produced at the factory with integral water repellent admixture.
2. The mortar used for the construction project incorporates a water repellent admixture.

Used properly in new construction, the Tech Shield System provides the following benefits:

- Lasting resistance to wind-driven rain
- Reduced absorption and moisture wicking
- Decreased potential for unsightly efflorescence
- Enhanced color retention of architectural block & mortar

ConTec TS-922, TS-941, and formula variations* thereof are qualified Tech Shield System components for use in the manufacture of water repellent CMU. Tech Shield Mortar Admixture (or WR-650 powder) is either jobsite-added or pre-blended into packaged masonry mortars to produce water repellent masonry mortar.

** Water Repellent Admixtures that differ mainly in concentration levels and corresponding dosage rates*

These products meet all performance criteria when tested by the following:

- ASTM C140 Standard Test Methods for Testing Concrete Masonry Units and Related Units – American Society for Testing and Materials
- TEK Note 19-7 Test Methods for Evaluating Characteristics of Concrete Masonry Units With Integral Water Repellent - National Concrete Masonry Association
- ASTM C270 Standard Specification for Mortars for Unit Masonry
- ASTM C1384 Standard Specification for Admixtures for Masonry Mortars

- ASTM E514 Standard Test Method for Water Penetration and Leakage Through Masonry