

Waterproofing and Corrosion Protection Performance Data: Third Party Testing

Capillary Absorption

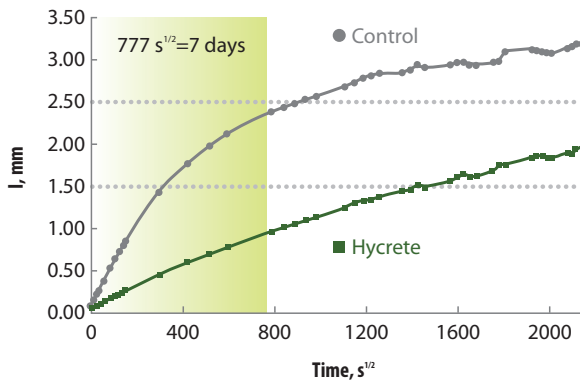
ASTM C1585 – Standard Test Method for Measurement of Rate of Absorption of Water by Hydraulic-Cement Concretes

This test is used to evaluate the susceptibility of exterior concrete surfaces as well as interior concrete to the penetration of water. Performance is evaluated over time.

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Virginia Transportation Research Council, Charlottesville, VA

**Determination of Capillary Absorption
ASTM C1585**



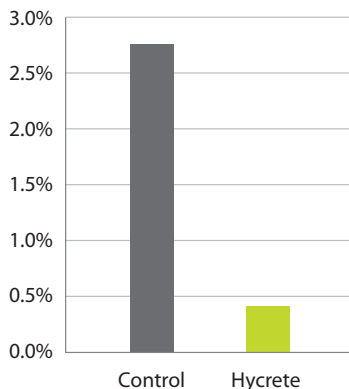
Water Absorption

British Standard 1881-122 – Method for Determination of Water Absorption

This test is used as the benchmark for hydrophobic concrete. Low w/c, high quality structural concrete typically tests in the 1.5%-4% absorption range. Hydrophobic concrete itself is specified at less than 1% absorption. Hycrete admixtures perform in the 0.3%-0.9% range.

CTL Group, Skokie, IL

**Water Absorption of Concrete
BSI 1881-122**



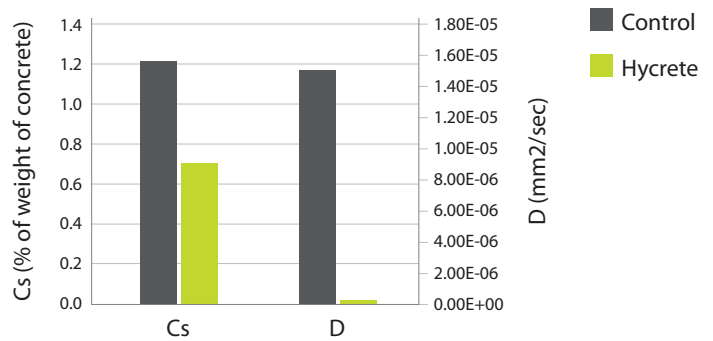
Diffusion of Chlorides Through Concrete

ASTM C1556 – Standard Test Method for Determining the Apparent Chloride Diffusion Coefficient of Cementitious Mixtures by Bulk Diffusion

This standard measures the surface concentration of chlorides as well as the diffusion coefficient of concrete.

University of Massachusetts at Amherst, Amherst, MA

**Surface Concentration of Chlorides
and Diffusion Coefficient
ASTM C1556**



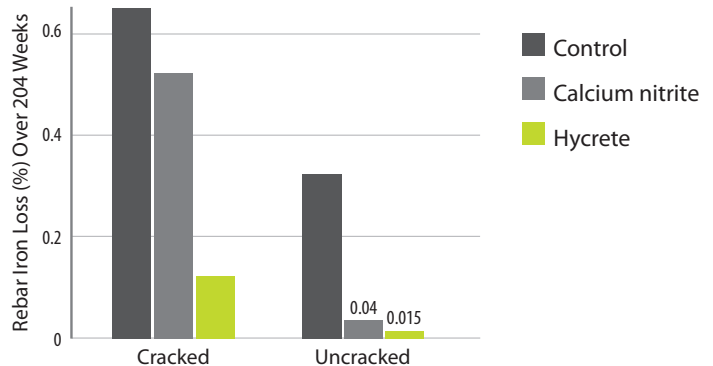
Protection of Steel in Concrete Exposed to Chlorides

ASTM G109 – Standard Test Method for Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments

This test measures rebar iron loss of embedded steel reinforcement in concrete exposed to chlorides. Performance is measured in both intact as well as deliberately cracked specimens.

University of Massachusetts at Amherst, Amherst, MA

**Protection of Steel in Concrete
ASTM G109 - chloride ponded using "Southern Exposure"**



Original third party test results available upon request to your Hycrete Sales Representative