



concrete shrinkage-compensating/reducing admixture



ready-mix
shotcrete
packaged

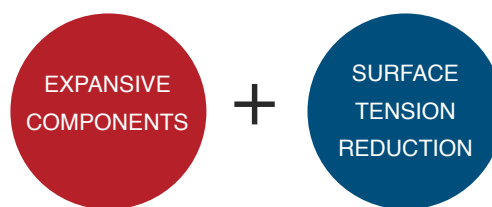


SYNERGY OF TWO TECHNOLOGIES

Shrinkage cracks are caused by multiple issues which is why PREVent-C works in multiple ways to stop them. The effectiveness of PREVent-C is achieved by combining two widely-used technologies. By blending expansive components with pore water surface tension reduction, you can successfully defend against both autogeneous and drying shrinkage cracks. The result is less repair work, less headaches, less liability along with an improved construction sequence, improved durability, and better defense against ingress of water and chemicals.

MARKETS/APPLICATIONS

- DAMS
- WATER/WASTEWATER TREATMENT
- BRIDGE DECKS
- SHOTCRETE
- SLABS-ON-GRADE
- AIRPORT RUNWAYS & PAVEMENTS
- ARCHITECTURAL CONCRETE
- ELEVATED DECKS & SLABS
- PACKAGED MATERIALS
- SECONDARY CONTAINMENT
- ANYWHERE THAT YOU DON'T WANT SHRINKAGE CRACKS.



THE COST OF CONCRETE SHRINKAGE

Concrete drying and autogeneous shrinkage causes a significant expense to the construction industry. From mitigation efforts to repairs and liabilities, the cost of shrinkage cracks extends well beyond the cost of a yard of concrete.

- Shorter joint spacing increases construction timeline and maintenance over the life of the structure.
- Expensive and time-consuming crack repairs often fail well before the expected lifecycle of the structure, leading to further maintenance in the future.
- The common occurrence of shrinkage cracks makes it difficult to pinpoint who is ultimately responsible for the repair of a structure, creating liability issues.
- Even when proper repairs are performed, the ultimate lifecycle expectancy of the structure has been compromised due to secondary effects of cracking such as corrosion, ASR, freeze-thaw damage, ingress of chemicals, etc.
- The owner's perceived value of a structure is significantly decreased once cracks occur.



PREVent-C...the most effective admixture in mitigating shrinkage cracks and curling.



NSF-61 CERTIFIED

For potable water projects and needs, PREVent-C has successfully passed and maintains the stringent requirements of NSF for use in potable water applications.

EFFECT ON OTHER PROPERTIES

PREVent-C has been utilized in a variety of applications and concrete mixes across the world. It has negligible effects on the fresh and hardened properties of most mixes, making it easy to incorporate into ready-mix concrete, shotcrete, and packaged mixes. PREVent-C is C494 tested and certified.

USER-FRIENDLY

PREVent-C has minimal effect on the mixing and batching sequence.

There are no known negative interactions between PREVent-C and other admixtures, cements, or aggregates. Workability and finishability are not significantly affected in most mixes/applications.

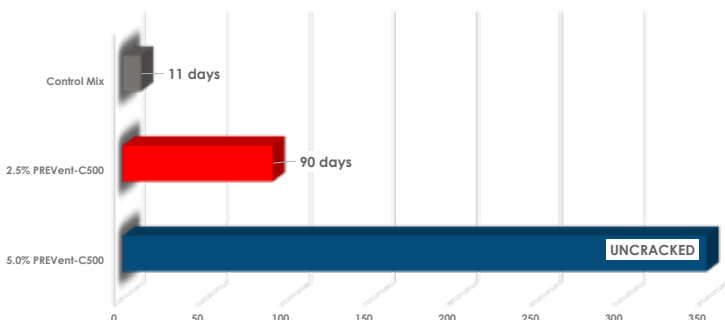


C1581 RESTRAINED RING TEST

The ASTM C1581 test for shrinkage is the most accurate laboratory test available to the construction market. Rather than simply measuring unrestrained shrinkage length change, the C1581 test method takes into account all four material properties that are needed to predict shrinkage: length change, tensile capacity, tensile creep, and modulus of elasticity. The test measures the number of days until cracking and the stress that occurs during shrinkage. This test is documented to have excellent correlation to field experience.



ASTM C1581: Restrained Ring Test
(Days to Cracking)



JUST SAY NO.... TO CRACKS



- decreases/eliminates crack repair time and cost
- reduces maintenance costs
- benefits thin sections and overlays
- allows for extended joint spacing
- shortens construction timeline
- increases expected concrete service life



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PREVent-C is a registered trademark of Premier Magnesia LLC. PREVent-C500 products are covered by U.S. Patent Number 8,784,558.