



**CSXTREME**  
CONCRETE SOLUTIONS FOR XTERIOR USE  
"An Affiliate of Concrete Moisture Solutions, Inc."

 **CONCRETE MOISTURE SOLUTIONS INC.**  
A CONCRETE ENHANCEMENT TECHNOLOGY COMPANY

# CREATE CONCRETE THAT WITHSTANDS WEATHER, MOISTURE & HARSH ENVIRONMENTS WITH CSXTREME ADMIXTURE

CSXtreme is a scientifically proven porosity inhibiting admixture (PIA) designed to enable project teams to dramatically improve the qualities of concrete in exterior applications while meeting aggressive build schedules and staying on budget. With added ingredients that withstand extreme temperature fluctuations as well as chemical and weather exposure, *CSXtreme is designed to maximize performance in outdoor & harsh indoor environments.*

# CSXTREME

redefines **OUTDOOR  
CONCRETE**  
*performance.*

## Advantages:

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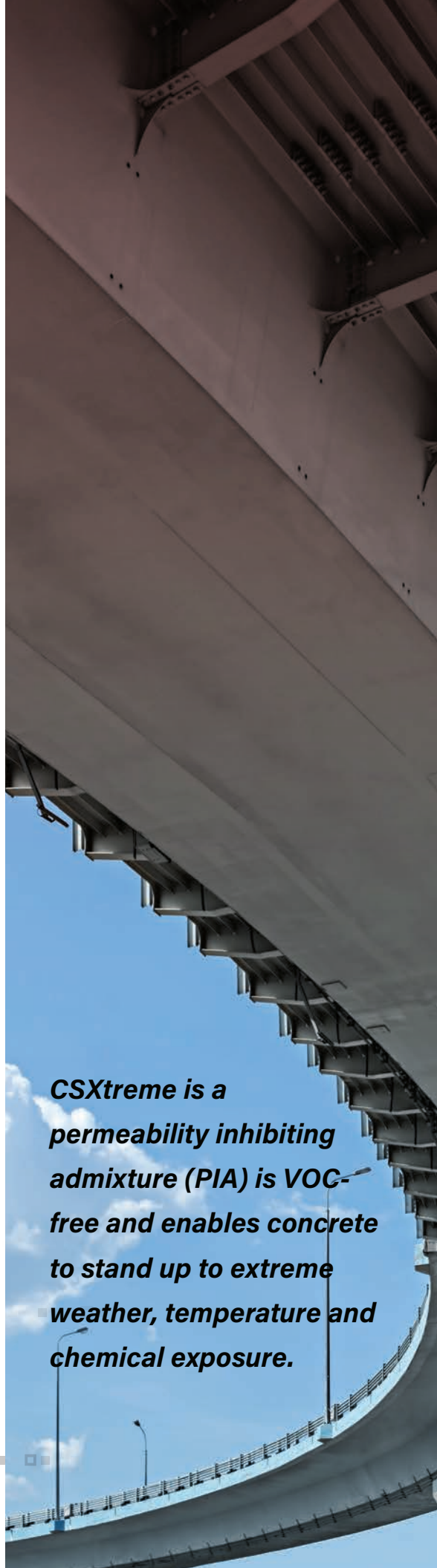
By closing the capillary system, CSXtreme admixture facilitates suspended hydrating moisture that is irremovable yet available for sustained cement particle hydration. Therefore, the use of CSXtreme admixture results in concrete that is denser, stronger, with increased abrasion resistance, reduced slab warping, and significantly reduced shrinkage and permeability. CSXtreme is designed for outdoor and harsh indoor environments and has added ingredients that allow concrete to stand up to chemical and weather exposure and withstand dramatic temperature fluctuations.

## Technical Data:

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Appearance: Colorless	Freeze temp: 32°F
Odor: None	Storage temp: Above 36°F
Toxicity: None	Solvent: Water
Flammability: None	Acid resistance: Excellent
pH: 11.3	Hazardous vapors: None
Specific gravity: 1.2204	Installation: All concrete
Shelf life: One year	Capillary Break: Calcium silicate hydrate
Weight: 10.4 lbs/gal (net)	

***Minimum slab thickness for use with CSXtreme admixture is three (3") inches.***



***CSXtreme is a permeability inhibiting admixture (PIA) is VOC-free and enables concrete to stand up to extreme weather, temperature and chemical exposure.***



## Dispensing:

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- Concrete Moisture Solutions must review ALL mix designs.
- CS Xtreme admixture is compatible with both normal and lightweight mix designs.
- Dosage rate is 14oz per 100 lbs. of total cementitious materials; dose within plus or minus 3%.
- CS Xtreme admixture is used in a one-for-one replacement of mix water.
- Standard water-cementitious material ratio (w/cm) is 0.31 to 0.52.  
**NOTE: Ratios below or above the standard amount may require adjustment by CS Xtreme.**
- For accuracy and reporting, Concrete Moisture Solutions recommends dosing at the batch plant; however, dosing onsite is of course acceptable. For onsite dosing, let the drum rotate for 7 minutes before discharge.
- CS Xtreme admixture should be added separately from other admixes at the tail-end of the load.

## Concrete Performance:

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- CS Xtreme admixture is not an accelerator or a retarder.
- It has little to no impact on set times per ASTM C494 testing.
- It has minimal impact on slump (not more than 0.5" loss).
- May be used with all other admixtures provided that such admixtures are added separately, and the combination has no deleterious effect on the concrete.  
**Exception: Shrink reducing admixtures (SRA) and crystalline growth admixtures should not be used in combination with CS Xtreme.**
- Use of water reducing admixtures is recommended to achieve slumps greater than 4".
- With CS Xtreme admixture there is reduced bleed water, creating a richer, creamier, undiluted paste that facilitates finishing operations.

## Curing:

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**CS Xtreme admixture concurs with the recommendation of ACI 302.2R-06 guidelines for curing. Curing compounds have no deleterious effects on the performance of CS Xtreme admixture.**

**42%**

Reduction in Corrosion  
C-1202 Testing RCPT  
(Rapid Chloride Ion Test)

**80%**

Reduction in Corrosion  
ASTM C-1543 Testing  
(ponding)

**75%**

Average Reduction in  
Alkali Silica Reaction  
ASTM C-1260  
(six aggregates tested)

**0%**

Scaling per  
ASTM C-672  
(deicing)

# INDUSTRY-LEADING WARRANTY

## Warranty:

CS Xtreme admixture is formulated to eliminate the permeability of concrete. CS Xtreme (CS Xtreme) warrants that CS Xtreme products are free from manufacturing defects and comply with the specifications given in their respective technical data sheet. Because conditions of use, such as site conditions, surface preparations, workmanship, concrete ingredients, weather, structural issues and other factors are beyond the control of CS Xtreme, no warranty can be given as to the results of use.

Purchaser agrees to seek the advice of qualified professionals and to determine for themselves the suitability of the products for their intended purpose and assumes all risks. Purchaser's sole remedy is limited to replacement of any product proven defective or at CS Xtreme's option refund of the purchase price paid.

## Additional Requirements:

A contracted independent third party of Concrete Moisture Solutions, Inc. must be present at the jobsite during placement of all CS Xtreme admixture treated concrete. Do not proceed without this representative being present.

The contracted independent third party, in most instances, will be an independent concrete inspection company. This inspection company will provide CS Xtreme admixture with cylinders from every day of placement of CS Xtreme admixture dosed concrete for hydraulic conductivity/coefficient of permeability testing. These tests are for CS Xtreme admixture's internal quality control and warranty purposes.

THIS LIMITED WARRANTY CONTAINS THE ENTIRE OBLIGATION OF CSXTREME. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CSXTREME SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. No representative of CS Xtreme has the authority to make any representations or provision except as stated herein. CS Xtreme reserves the right to change the properties of its products without notice.



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