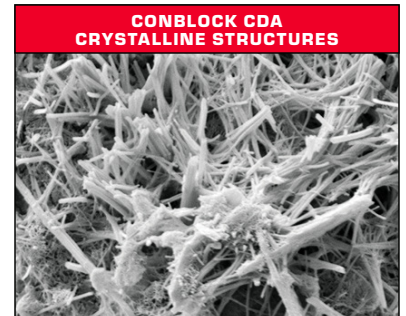


## Liquid Crystalline Admixture for Waterproofing Concrete



### PRODUCT APPLICATIONS

ConBlock CDA is designed to permanently waterproof and protect concrete structures, such as: bridge and highway structures, tunnels and trenches, building foundations, garage and parking structures, below-grade precast structures, wastewater treatment plants, sewer pipes, manholes and water containment tanks.

**NSF/ANSI/CAN 61 CERTIFIED FOR USE IN DRINKING WATER STRUCTURES**

### PRODUCT DESCRIPTION

ConBlock CDA is a liquid Permeability Reducing Admixture (PRA) for waterproofing concrete. The molecules are fast-reacting, allowing performance to be realized immediately. Due to the tightening of the void space, concrete bleeding is reduced, allowing finishing operations to occur more quickly. **After 21 days at 200 psi (CRD-C48) water did not pass through the concrete.** ConBlock CDA's waterproofing properties allow it to be suitable for use in hydrostatic (PRAH) and non-hydrostatic (PRAN) installations.

### FEATURES AND BENEFITS

- Easy to use liquid admixture, no clumping.
- Does NOT contain respirable silica.
- Crystalline formations enhance durability.
- Accelerates cement hydration leading to strength development increase.
- Concrete waterproofing resistant to hydrostatic pressures up to 200 psi.
- Reduces pore-water/bleed-water in placed concrete.
- Meets ASTM C494, Type S requirement / AASHTO M194.

### PHYSICAL PROPERTIES

Color	Milky White
Odor	None
Density	9.1–9.5 lbs/gal
pH	6.0–8.0
Solids Content	21–24%
Viscosity	< 50 Centipoise (CPS)

### TESTING

#### STANDARD TEST METHOD

#### CONBLOCK CDA RESULTS VS. REFERENCE

CRD-C48 Permeability of Concrete	96% reduction, 21 days
ASTM C39 Compressive Strength of Concrete	>10% increase after 3 days; >10% increase after 90 days
ASTM C666 Freeze-Thaw Durability	Relative Durability Factor of 99% in 300 cycles
ASTM C1585 Measurement of Rate of Absorption of Water by Hydraulic Cement Concretes	16% reduction after 90 days
ASTM C157 Length Change of Hardened Hydraulic-Cement Mortar and Concrete	23% reduction after 56 days
ASTM C1260 Determining the Potential Alkali-Silica Reactivity of Aggregates	20% reduction after 28 days

**DO NOT SUBJECT CONBLOCK CDA TO FREEZING TEMPERATURES BEFORE USE.**

### DIRECTIONS FOR USE

- High Range Water Reducer must be PCE (polycarboxylate ether) based.
- ConBlock CDA may affect slump, spread, and air. Run a trial mix prior to production.
- Stir ConBlock CDA well before use.
- **Add ConBlock CDA at the end of the batch cycle, immediately - within 30 seconds - after the last ingredient.** Adding trim water is not prohibited at this time.
- Dosage: **21 fluid ounces per CWT** (hundred pounds of total cementitious materials).
- For every gallon of ConBlock CDA, the mix water content should be reduced by 0.75 gallons to maintain the design water-cementitious materials ratio.
- Reference installation instructions for more information.

#### LIMITED WARRANTY

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