

CMix



CanCEMENT CS3

NANO CRYSTALLIZATION &
POLYMERIZATION PENETRATION
CMix CONCRETE ADUPIXTURE



Product Description



CanCEMENT-CMIX is a high-performance, crystalline waterproof admixture designed for direct addition to ready-mix concrete. It enhances the concrete's waterproofing capabilities, improves moisture capacity, reduces water consumption, and increases density. By accelerating cement hydration, it strengthens the concrete structure, providing both early and permanent strength.

Key Features



Waterproofing:

CMix permanently seals concrete against water and liquid penetration from any direction while allowing vapor to pass through, ensuring breathable waterproofing.

Density and Strength:

Increases density and overall structural integrity. Enhances both early and long-term concrete strength.

Improved Hydration: Accelerates hydration, leading to crystal thinning and enhanced strength.

Shrinkage Reduction: Reduces shrinkage cracks by up to 60%.

Hydrostatic Pressure Resistance:

Effectively resists hydrostatic pressure from both positive and negative surfaces of the concrete.

Effective against negative water pressure up to 20 bar.

Self-Healing:

Enables the concrete to self-repair micro-cracks in the presence of moisture. Capable of sealing hairline cracks up to 0.5 mm.

Chemical Resistance: Offers excellent resistance against sulphate and chloride attacks.

Breathability: Allows water vapor to permeate, ensuring breathable concrete.

Durability Enhancements: Offers anti-efflorescence, anti-freeze, and corrosion-resistant properties. Unaffected by surface wear or abrasion. Significantly boosts the durability of concrete.

Construction & Cost Efficiency: Reduces construction scheduling time and continually improves impermeability to reduce the need for additional waterproofing treatments, saving time and money.

Environmental Safety: Non-toxic, contains no VOCs, and is pollution-free and user-friendly.

Safety: Made from inorganic materials safe for contact with potable water.

Uses



- Foundations
- Basement
- Secondary containment structures
- Tunnels and subway systems
- Bridge structures
- Underground vaults
- Submarine works
- Elevator pits
- Swimming pools
- Water treatment plants
- Potable water tanks
- Parking structures
- Reservoirs
- Sewage and water treatment plants
- Precast, cast-in-place and shotcrete applications



Storage Guideline



Temperature: Store CanCEMENT CMIX in a dry location at room temperature, with a minimum of 5°C and a maximum of 35°C.

Protection from Elements: Keep the product dry and out of direct sunlight to prevent degradation.

Shelf Life: The shelf life of CanCEMENT CMIX is 24 months when stored under proper conditions and the container remains unopened.

Dosage and Application



Dosage Rate: 2.4 liters of CanCEMENT CMIX per cubic meter of concrete.

Application: Add the liquid admixture directly to the ready-mix concrete at the job site. Ensure thorough mixing for even distribution