



Waterproof & Protective
Coatings

Concrete Restoration

Moisture Vapor Mitigation &
Self-Leveling Underlayments
& Toppings

Injection Grouting

The background is a collage of three images. The top image shows a close-up of a concrete structure with a small rectangular panel containing three red circular lights. The middle image is a blue square with a pattern of white, crystalline water droplets. The bottom image is a large-scale construction scene showing a concrete structure being lifted by a crane, with workers visible in the background.

Crystalline Waterproofing Admixures

Crystalline Waterproofing Technology

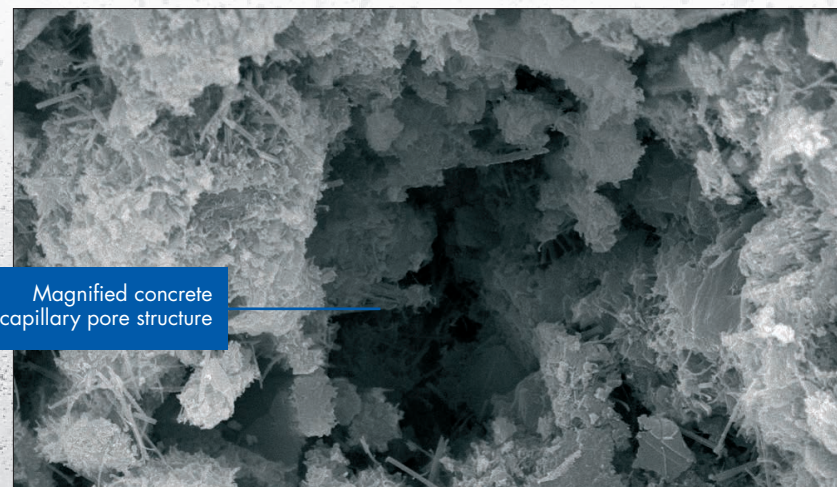
Concrete is a porous material by nature, left untreated it will suffer damage and significantly reduced service times. Protect your concrete from the day it is poured with AQUAFIN-IC Crystalline waterproofing solutions!



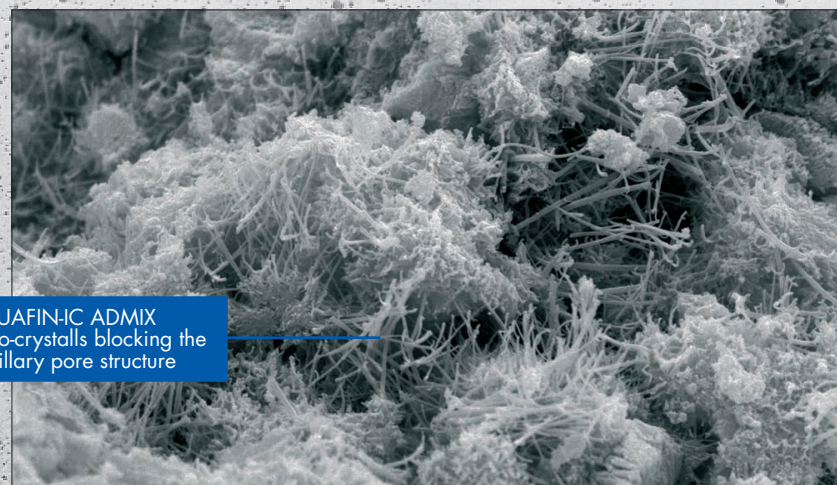
WHAT is unique about the AQUAFIN-IC ADMIX Series of products?

The innovative crystalline technology within AQUAFIN-IC ADMIX reacts with moisture and free lime, a natural by-product of the cement hydration process.

The reaction creates millions of nanocrystals which grow throughout the concrete matrix. As these crystals form, they fill and block the concrete's capillary structure, protecting it from further water damage.



Magnified concrete capillary pore structure



AQUAFIN-IC ADMIX nano-crystals blocking the capillary pore structure

WHY do AQUAFIN-IC ADMIX products work so well?

AQUAFIN-IC ADMIX BECOMES A PERMANENT, INTEGRAL PART OF THE CONCRETE.

- Extremely resistant to high hydrostatic pressure
- Increases compressive strength and freeze-thaw resistance of concrete
- Protects reinforcement against corrosion
- Substantially reduces time and labor associated with applying traditional waterproof coatings
- NSF/ANSI Standard 61 certified for contact with potable water
- Negligible effect on slump, air entrainment, plasticizers and water reducers
- Permeability tested as per ACE (Army Corps of Engineers) CRD-C 48-92 up to 200 psi (14 bar) = 460 ft (140 m) head pressure. Result: zero leakage

HOW are AQUAFIN-IC ADMIX products added to the concrete?

AVAILABLE PRODUCTS:

AQUAFIN-IC ADMIX Liquid, easy integration at the batch plant, reduced risk of clumping during the mixing process, or added directly on-site.

AQUAFIN-IC ADMIX Powder, added directly at the concrete batch plant or on-site with simple dosing through soluble bag packaging.

TYPICAL APPLICATIONS:

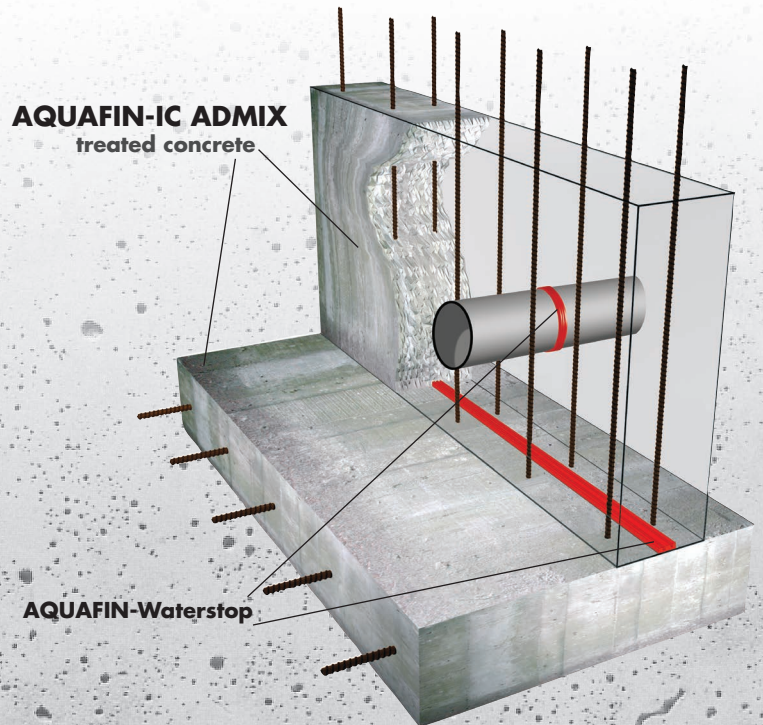
- Water and waste water treatment plants
- Foundation walls
- Shotcrete and gunite applications
- Parking structures
- Concrete slabs and precast panels
- Underground water tanks

Full System Solutions additional Aquafin offerings...

By taking a complete systems approach, it is easy to seal the entire building envelope in an efficient manner. Combining waterproof concrete with the right joint details provides designers with multiple options of delivering dry structures.

AQUAFIN-Waterstop is a strip applied hydrophilic rubber swelling waterstop for use in all kinds of cast-in-place concrete construction joints, as well as steel, concrete and thick walled PVC pipe penetrations. When exposed to water, the rubber expands, creating a compression seal within the joint or around the pipe penetration, blocking the passage of water.

Integral Building Envelope Waterproofing



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