



Advancement by Vision Certainty from Experience

Contite International is the premier manufacturer of crystalline waterproofing products for use on concrete, concrete block, brick and cinder block. The principals at Contite have been at the forefront of this revolutionary technology for four decades and were the first to bring crystalline technology to North America in the 1960's. In the decades since, Contite's R&D program has explored virtually every conceivable application, with its material currently protecting countless structures across the continent. The result is the most comprehensive, effective, and reliable line of waterproofing formulations for use in new construction and substructure repair.

Why You Should Specify Contite Crystalline Technology

Crystalline waterproofing technology offers architects, engineers, and application contractors a myriad of efficiency and performance advantages over other waterproofing methods.

Life-Long Performance and Reliability

Crystalline coatings penetrate deep beyond the treated surface and become an integral part of the concrete. Its waterproofing properties remain effective as long as the concrete remains intact. Unlike membranes that can be punctured or delaminate over time, crystalline coatings stay in the concrete, sealing out water for the life of the structure. Countless structures across the U.S. remain dry decades after their application, as testament to the durability of Contite's formulas.*

A Solution for Nearly Any Waterproofing Challenge

With the complete line of Contite waterproofing products, application contractors have the flexibility to solve the most difficult water infiltration problems with confidence. Contite crystalline materials can be used on the positive or negative side of a structure, applied as a mortar, in slurry form by spray or brush, or injected to fill cavities and stop rising damp. In fact, when it comes to repair work in many old substructures with multiple building materials and uneven surfaces, Contite's crystalline materials are a proven way to ensure a watertight structure.

Cost-Effective and Efficient

Contite can be applied much more quickly and effectively than other forms of waterproofing material, saving expense of both materials and labor. Since it becomes an integral part of the concrete, it cannot be scraped off or punctured. Contite can be applied immediately after the forms are stripped. The structure can be backfilled twenty-four hours



Contite formulas were chosen in the construction of nuclear power plants, where manufacturing tolerances are small and the consequences of failure are high. You will find Contite formulas in use at numerous facilities such as Seabrook Nuclear Power Plant in Seabrook, NH, Sequoyah Nuclear Power Station in Knoxville, TN, and Diablo Canyon Nuclear Power Plant in San Luis Obispo, CA.

after the application, and can even be drilled without the fear of leaks. And, there is no reason for the purchase and installation of expensive protection boards that are necessary for membrane systems.

How it Works

Unlike membrane and barrier systems, Contite's crystalline coatings provide enhanced protection against moisture transmission because they do more than provide a barrier at the point of water contact - they become an integral part of the concrete's physical structure. Upon contact, the active chemicals in Contite are "pulled" into the capillaries of the cement due to the differences in the pH value between the concrete and Contite's active ingredients. Once inside, the chemicals react with the free lime in the cement, setting up crystalline structures that fill the pores, permanently stopping the transmission of moisture.

Contite Advanced Crystalline Formulations with ACP³

Advanced Continuous Penetration

In the past decade, Contite's R&D efforts have led to a breakthrough in crystalline waterproofing technology. Building on the early theories in capillary reduction that were first posed in Denmark shortly after WWII, Contite's engineers have developed the third generation of crystalline products to be brought to market. Using the most advanced manufacturing techniques and proprietary blends of silicates, all of Contite's new products include Advanced Continuous Penetration - ACP³ technology. Contite's new formulations with ACP³ mix faster and more uniformly, penetrate deeper,



Contite's R&D and field testing has yielded ACP³, an ideal solution to some of the most demanding waterproofing challenges.

and cure faster and harder. And all Contite waterproofing products with ACP³ are designed to meet or exceed the NSF-61 standards for contact with potable water, making Contite the perfect solution for aquariums, water tanks and treatment facilities.

Concrete treated with Contite's ACP³ products are also self-healing. Years after the application, hairline cracks (up to 1/16") or surface damage that occurs (due to settling or impact) will self-heal. Any moisture that begins to penetrate the concrete will reactivate the ACP³ compounds. New crystalline structures will form in the compromised area resealing the concrete from water infiltration - while still allowing the structure to breathe.

Because of the sophisticated chemistry employed, Contite with ACP³ requires no pre-watering or waiting weeks for concrete curing prior to application – saving hours of labor and project time. And Contite with ACP³ does more than just seal out water – it protects the concrete from many industrial chemicals, salt water, and pH levels down to 4.5.** You simply won't find a tougher, easier to apply, or more durable solution anywhere.

Products

Contite Control

Contite Control is used in slurry form to treat large areas such as walls and slabs. It is also a bonding agent used to create a continuously watertight structure in areas with construction joints caused by multiple pours. Contite Control can be applied by brush or by pneumatic sprayer.

Contite Control Light

While not quite pure white, Contite Control Light cures to a light gray color, and is useful when exposed treated areas need a brighter, lighter appearance.

* Not all water problems can be solved by waterproofing techniques. The concrete structures being treated must be capable of withstanding the existing water pressure for any waterproofing application to be successful.

** Contact your Contite representative for guidance when applying Contite in areas where corrosive or harmful materials are present.

*** Large infiltrations will stop on contact. Minor weeping may occur until full penetration is complete (7-14 days).

Contite Matrix DMP

Matrix DMP is an effective damp proofing product for above or below grade use. It is the only damp proofing product on the market with Contite's exclusive ACP³ formula, so it won't crack, de-laminate or out-gas. Simply apply in slurry form by spray or brush for long-term moisture control.

Contite Penetrating Mortar

Contite Penetrating Mortar is used like a conventional mortar is used, but where a waterproof seal is required. Its higher quartz content adds strength while Contite's ACP³ ingredients create bonding and penetrating action. It is used to fill construction joints, around pipes and to fill cracks.

Contite Broadcast

Contite Broadcast is applied in dry form onto surfaces where the concrete has been poured but is still plastic in consistency. The surface is then hand or power troweled, creating a completely watertight surface when the curing is complete.

Contite Jet

Contite Jet is a dry additive that makes shotcrete watertight. It aids in bonding, and adds Contite's ACP³ water-stopping properties. Contite Jet will also waterproof the substrate of the concrete when shotcrete is used as a repair or building material, protecting reinforcing steel from harmful moisture.

Contite Injex

Contite Injex is an injection mortar that is used to fill voids and deliver Contite's ACP³ active chemicals deep below the surface of the structure. It quickly displaces water, seals out moisture, and prevents rising damp in walls.

Contite Express

Contite Express is a plugging material with a powerful concentration of ACP³ active ingredients that can stop heavy infiltration of water within seconds. Mixed as a drypack, simply apply Express to an area where water is entering a structure under pressure. Apply force to hold the drypack in place for 45-60 seconds and Express' powerful bonding agents stop the water infiltration for good.***



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