

Hycrete *Elite*™ Waterproofing System



Hycrete *Elite*™ Admixture Technology

Conventional concrete absorbs water and dissolved salts through a network of capillaries and cracks. Hycrete *Elite* is a monomolecular technology that transforms concrete into a waterproof construction material. Unlike external membranes or coatings, Hycrete *Elite* is an admixture that is dosed into fresh concrete to provide integral waterproofing and corrosion resistance. **Hycrete *Elite* enables concrete to repel water/chlorides and protects steel reinforcement from corrosion.**

Hycrete *Elite*™ Waterproofing System

The Hycrete *Elite* Waterproofing System eliminates a time-consuming step and mitigates the probability of installation issues of external membranes or waterproof coatings. **By reducing water-penetration problems, call-backs, and potential litigation associated with membrane installation, damage, or failure, The Hycrete *Elite* Waterproofing System delivers numerous and substantial benefits to design professionals seeking reliable solutions backed by a performance-based warranty.**

Other key benefits of The Hycrete *Elite* Waterproofing System are **reducing time of construction and thereby, project costs**. Specifying The Hycrete *Elite* Waterproofing System builds a strong foundation for project success and profitability.

The Hycrete *Elite* Waterproofing System Consists Of:

- ◆ Plan Review
- ◆ Batch Plant Inspection
- ◆ Our Proprietary Admixture
- ◆ Pre and Post-Pour Site Inspection
- ◆ Leak Closure from Cracks in Concrete
- ◆ Performance-Based Warranty

Benefits to Architects/Engineers

- ◆ **Simplified Design and Details**
- ◆ **Streamlined Construction Process**
- ◆ **Sustainable Construction**
- ◆ **Increases Design Flexibility**
- ◆ **Reduces Long-Term Operating Costs**
- ◆ **Improves Structural Durability**
- ◆ **Risk Reduction**

The Hycrete *Elite* Waterproofing System provides a broad range of design and performance benefits to design professionals. Specifically:

Simplified Design and Details - Waterproofing is complete when the concrete is poured, which can save weeks or months on a project. By eliminating the need for membranes or coatings, Hycrete *Elite* shortens construction schedules and may allow owners to open a project early, thus helping budgets be met and projects move forward.

Streamlined Construction Process - Integral waterproofing eliminates a full step in the construction process and expands lay-down areas on top of waterproofing. Our waterproofing systems are tough, and are not easily damaged like membranes.

Sustainable Construction - Hycrete *Elite* Admixture has Achieved MBDC Cradle to Cradle Environmental Sustainability Certification. Integral waterproofing eliminates the need for thousands of square feet of membrane products (often petroleum-based), which are typically applied using high-VOC adhesives. When buildings are demolished, these membranes along with the concrete often end up in landfill. Using Hycrete *Elite* allows concrete to maintain its sustainable characteristics and be recycled. Using Hycrete *Elite* may add LEED credits and assist in green building certification.

architects / engineers



MADE IN THE USA

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Benefits to Architects/Engineers Continued

Increases Design Flexibility - Waterproof concrete may reduce the need to widen the excavation, which is especially helpful in areas with limited lot line clearances. The Hycrete *Elite* Waterproofing System also accommodates shotcrete and one-sided formed walls.

Reduces Long-term Operational Costs - As life-cycle analysis is becoming a common line item in design and engineering proposals, building owners want to partner with architects and engineers that have reputations for designing innovative projects that deliver value. The long-term corrosion protection of Hycrete *Elite* improves the structure's engineered ability to perform its design function. The Hycrete *Elite* Waterproofing System reduces initial construction costs as well as repair and maintenance costs, which [allows the architect and engineer to bring greater value to clients.](#)

Improves Structural Durability - The long-term corrosion protection of Hycrete *Elite* improves the structure's engineered ability to perform its design function.

- Waterproofing is integral and not susceptible to damage like external systems
- No need to chase the leaks - where the leak appears is the same as the source of the problem. Therefore, repairs are made quickly and are long lasting
- Hycrete *Elite* helps protect concrete from damage caused by water and chlorides, thus preventing spalling
- The Hycrete *Elite* Waterproofing System is backed by an industry-leading, performance-based warranty

Risk Reduction - Using integral waterproof concrete demonstrates a design professional's drive to innovate and enhance life cycle value. Litigation risk from faulty or damaged membrane systems is eliminated. The performance warranty offers greater peace of mind.

Company History

Integral waterproofing admixtures have successfully replaced membranes for over 40 years, with millions of square feet in service worldwide. Hycrete, Inc. is a third generation run company whose roots go back over 35 years. The core technology behind Hycrete *Elite* was developed over 40 years ago by Michael Rhodes, the inventor behind several innovations for the military and NASA. **Building on Michael Rhodes' waterproofing and corrosion-inhibiting solutions, The Hycrete *Elite* Waterproofing System has become a technical leader that provides all the benefits of membrane elimination with the most advanced integral system in its class.** Hycrete *Elite* is an award-winning construction material, and is the first material to achieve MBDC Cradle to Cradle environmental certification.



Environmentally Intelligent Moisture and Corrosion Control Solutions

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