

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 provides owners with peace of mind from using a superior technology backed by a performance-based warranty.**

Other key benefits of The Hycrete *Elite* Waterproofing System are reducing time of construction and thereby, project costs. The Hycrete *Elite* Waterproofing System provides a reliable, fast, and economical alternative to conventional waterproofing systems.

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 the Building Owner

- ◆ **Faster Revenue Generation**
- ◆ **Shortens Construction Schedules**
- ◆ **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 that provide superior value to building owners. Specifically:

Faster Revenue Generation - by eliminating membranes and coatings, Hycrete *Elite* reduces construction time and may enable a building to open sooner.

Shortens Construction Schedules - Hycrete *Elite* obviates the need for an entire step in construction and is more predictable by reducing the probability of weather delays, whereas membranes are dependent upon dry conditions for installation. With Hycrete *Elite*, waterproofing is complete when the concrete is poured, which can save weeks or months on a project.

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 as well as 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.

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Benefits to the Building Owner 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 - The Hycrete *Elite* Waterproofing System lowers initial construction costs as well as repair and maintenance costs. Life cycle ownership can be marketed as a competitive advantage. For owners who build and hold projects, Hycrete *Elite* concrete is an integral component of the structure, unlike membranes and coatings which often require periodic repair or replacement.

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 an owner'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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