

Smarter Waterproofing for Data Center Construction

Chemically-advanced concrete waterproofing that protects critical infrastructure, extends lifecycle, and maximizes ROI.

Built for the demands of modern data center facilities.

Hycrete® 

Why Data Centers Need Better Waterproofing

Data center construction is booming across the nation. These are among the most complex and costly facilities to build, with unique demands including:

- Precision **liquid cooling systems**
- **Water processing infrastructure** integrated with concrete structures
- High-value **electronics and server arrays** sensitive to moisture
- Evolving sustainability and lifecycle performance expectations

Traditional membrane systems can be labor-intensive, risk-prone, and expensive – often failing under hydrostatic pressure or corrosion stress. On the other hand, the effectiveness of crystalline-growth admixtures is dubious.

Builders, owners, and operators looking for a complete waterproofing and corrosion protection turn to Hycrete's integral admixture technology.



Hycrete's Waterproofing Solution

Integral Concrete Waterproofing

Hycrete products are hydrophobic admixtures added directly to concrete. You get scientifically proven performance that far exceeds conventional hydrophilic crystalline-growth admixtures. Rather than relying on surface membranes, Hycrete chemically transforms the concrete matrix from within, creating:

- ✓ Virtually non-porous concrete that repels water
- ✓ Rust-proof coatings on embedded rebar
- ✓ Enhanced resistance to hydrostatic pressure
- ✓ Support for LEED credits and sustainable construction goals

Benefits for Data Center Construction

Maximum Moisture Protection

- Minimizes concrete permeability so internal structure is protected from water and aggressive chemicals.
- Scientifically proven reduction in water absorption to less than 1% of control.
- Ideal for below-grade structures, vaults, slabs, and water-handling elements.
- Lifetime resistance to hydrostatic pressure.
- Assists facilities in meeting strict sustainability targets and extending service life

Dual-Action Corrosion Protection

- Hycrete's chemistry reacts with cement and steel ions to form protective coatings on rebar – what we call the “liquid green bar.”
- Mitigates corrosion in both concrete and internal steel elements— one of the leading causes of structural failure in data centers

Lower Lifecycle Costs

- Minimizes maintenance and repair over decades
- Integral waterproofing eliminates extra membrane installation cost and risk

Sustainability Edge

- Water-based mixture supports recycled concrete and LEED and green building credits.
- Supports modern sustainability initiatives and environmental reporting.



Proven Success: WA State DIS Wheeler Data Center

Case Study Highlights

- Applied Hycrete to waterproof a 1,200,000-gallon water tank crucial for cooling server systems
- Contributed to **LEED Gold Core & Shell certification**
- Delivered long-term watertight performance and **significant cost savings** for the owner

Tech That Works

Hycrete Endure WP (formerly W1000) – flagship waterproofing admixture for concrete:

- ✓ Reduces water absorption to <1%
- ✓ Forms protective coating around reinforcement
- ✓ Resists hydrostatic pressure
- ✓ Supports LEED Materials & Resources credits

Trusted by Industry Leaders

Hycrete's solutions are utilized across high-tech campuses, infrastructure, and facilities where water intrusion is absolutely unacceptable. We've completed projects with leading contractors and design firms throughout the U.S. and across the globe.

Start Your Data Center Project With Confidence

Hycrete Concrete Protection

- Waterproofing engineered directly into concrete
- Simplified specification and construction process
- Enhanced durability, sustainability & ROI

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