



Waterproofing System

Hycrete Elite™ Waterproofing System

Performance-Warranted Waterproofing Solution for Concrete Construction

Description

Conventional concrete absorbs water and dissolved salts through a network of capillaries and cracks. Hycrete Elite's hydrophobic properties shut down the capillary wicking action that carries salts to the reinforcement layer and transforms concrete into a waterproof construction material. Unlike external membranes or coatings, Hycrete Elite provides real time protection as it is mixed into concrete to provide integral waterproofing and corrosion resistance.

Hycrete Elite enables concrete to repel water and chlorides, which protects steel reinforcement from corrosion. Under BSI 1881-122, Hycrete Elite concrete performs with less than 1% water absorption, thus qualifying as hydrophobic concrete.

Recommended Applications*:

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| ■ Commercial Sub-Grade Walls and Slabs | ■ Tunnels |
| ■ Parking Garages | ■ Podiums and Roof Decks |
| ■ LEED Projects | ■ Water Treatment Facilities |
| ■ Basements | ■ Piers and Docks |
| ■ Bridge Decks | ■ Pools and Ornamental Fountains |
| ■ Retaining Walls | ■ Green Roofs |
| ■ Airport Runways and Aprons | ■ Certain Industrial Floor Applications |

**Not suitable for all applications. Please contact a Hycrete, Inc. representative.*

Benefits

- Reduced construction costs
- Reduced time of construction due to simplified design, fewer man hours, and no weather delays
- Waterproofing and corrosion protection at the time of concrete placement
- Environmentally friendly material with virtually no VOCs

Features of Hycrete Elite

- Performance-based warranty with available extended warranty option**
- System based approach including plan review, batch plant / site inspection, and crack closure
- Certified under MBDC Cradle to Cradle protocol
- Integral protection for uniform and superior performance
- Enlisted by Greenspec® Directory (www.buildinggreen.com)

Product Data:

Edition 2.01

Hycrete Elite™



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Admixture Information:

| | |
|--------------------------|---------------------|
| <i>Form:</i> | <i>Liquid</i> |
| <i>Color:</i> | <i>Light Yellow</i> |
| <i>Shelf Life</i> | <i>12 months</i> |
| <i>Specific Gravity:</i> | <i>1.04-1.07</i> |
| <i>Chloride Content:</i> | <i>Nil</i> |
| <i>pH:</i> | <i>7.5-9.0</i> |

Dosage Guidelines

Typical Hycrete Elite dosage is 1 US gallon per cubic yard of concrete. Trial batches should be done to verify batch performance and appropriate adjustments to the mix design may be needed prior to use. Hycrete Elite Waterproofing System may require a maximum W/C of 0.40.

Compatibility

Hycrete Elite is compatible with most concrete admixtures and is suitable for use with all variations of Portland cements and cement replacement materials, such as PFA, GGBFS, and microsilica. Please contact your Hycrete, Inc. representative for all compatibility related questions.

Curing

All structural concrete should be protected with a Hycrete, Inc. approved curing compound. Please contact your Hycrete, Inc. representative for advice on curing methods.

Packaging

Hycrete Elite is available in five gallon pails, 55 gallon drums, 275 gallon totes, and bulk tanker delivery.

Technical Support

Hycrete, Inc. provides technical advisory support service and on-site assistance. Hycrete, Inc. also offers mix design expertise for optimal product performance. Technical data and guidance can be provided for questions regarding compatibility or suggested usage.

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Precautions

Health and Safety Information

Hycrete Elite is a water-based material and should not be swallowed or come into contact with skin and eyes. Wear suitable protective gloves and goggles. If material comes in contact with the skin, wash immediately with soap and water. In case of contact with eyes, rinse immediately with sufficient water and seek medical support. If swallowed, seek medical attention as soon as possible.

For further information please consult the Safety Data Sheet.

Fire

Hycrete Elite is a non-flammable material.

Additional Information

For additional information regarding Hycrete Elite or its use, please contact your Hycrete, Inc. representative. For warranty concerns, please contact: 1-866-HYCRETE / 1-866-492-7383 or warranty@hycrete.com



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