

SPECIALTY ADMIXTURES

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EUCON™ BARACADE WPT

INTEGRAL WATER REPELLENT WEATHERPROOFING ADMIXTURE



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Available in 275 gal (1041 L) totes, 55 gal (208 L) drums, and 5 gal (18.9 L) pails

SHELF LIFE

6 months in original, unopened container

SPECIFICATION/COMPLIANCES

ASTM C39

ASTM C67

ASTM C192

ASTM C231

ASTM C403

ASTM C457

ASTM C642

ASTM C666

ASTM C672

ASTM C1585

TECHNICAL INFORMATION

Appearance: White liquid

Specific Gravity: ~ 0.96

Freezing Point: ~ 32oF (0oC)

DESCRIPTION

EUCON BARACADE WPT is a high performance liquid water repellent admixture used to improve the durability and surface integrity of concrete exposed to harsh weather conditions. By resisting moisture and chloride ion penetration, concrete produced with EUCON BARACADE WPT reduces the potential for scaling, spalling, and other moisture-related degradation. The visual appeal of decorative concrete can also be improved by using EUCON BARACADE WPT to decrease the potential for secondary efflorescence. Unlike typically applied sealers, EUCON BARACADE WPT produces a chemically bonded and insoluble protection mechanism throughout the concrete mix. When concrete is produced with EUCON BARACADE WPT, capillary pores become resistant to water penetration making it less susceptible to freeze-thaw and deicing salt related damage as long as the concrete is properly air entrained. EUCON BARACADE WPT contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Reduces the intrusion of water and deicing chemicals into the concrete
- Increases resistance to weathering
- Reduces absorption rate and capillary wicking
- Improves color retention of integrally colored concrete
- Significantly reduces the potential for efflorescence

PRIMARY APPLICATIONS

- Driveways, Sidewalks, and Patios
- Integrally colored decorative concrete
- Architectural precast concrete
- Other exterior concrete exposed to freeze-thaw cycles and deicing salts

PRECAUTIONS/LIMITATIONS

- Requires storage between 40°F (4°C) and 95°F (35°C); protect from extreme heat/direct sun and freezing temperatures.
- Intended for use with materials and mix designs that meet applicable building codes, standards, and ACI guidelines.
- Has the potential to reduce compressive strengths. This reduction in strength may increase as the dosage increases.
- Trial mixes with EUCON BARACADE WPT are recommended to determine dose and the combined effect of other products used in the mix.
- Specifically intended for exterior applications and preferably broomed, flatwork finishes.
- In all cases, consult the Safety Data Sheet before use.

DIRECTIONS FOR USE

EUCON BARACADE WPT is recommended for use at a rate of 1 - 6 oz /100 lbs (65 - 392 mL/100kg) of cementitious material. This range is dependent on the application, mix design, and targeted performance. For most applications, 3 oz/100 lbs (196 mL/100kg) of cementitious material is recommended. EUCON BARACADE WPT should be added after all materials are batched and mixed to the specified slump, then mixed for an additional 5 minutes. EUCON BARACADE WPT may affect water demand and air content with materials. These properties and required mix adjustments should be determined through trial mixing. EUCON BARACADE WPT is compatible with most Euclid Chemical admixtures as long as they are added separately to the concrete mix.

Proper curing of the concrete is essential. Any curing compounds used should be applied after finishing.

Minimum compressive strength at 28 days of 4,500 psi (31MPa); maximum water/cement ratio of 0.45 is recommended.

Please contact a Euclid Chemical Sales Professional for any additional questions.

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