

EUCON™ SURESHOT™ AF

HIGH PERFORMANCE ALKALI FREE SHOTCRETE ACCELERATOR



EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Available in 275 gal (1041 L) totes
and 55 gal (208 L) drums

SHELF LIFE

1 year in original, unopened package

SPECIFICATIONS/COMPLIANCES

ASTM C1141

TECHNICAL INFORMATION

pH: ~ 2.2 to 2.7

Color: Beige

Specific Gravity: ~ 1.43

Chloride content: Less than 0.1%

DESCRIPTION

EUCON SURESHOT AF is a liquid, high performance accelerator specifically engineered to give high early and ultimate compressive strengths in shotcrete applications. EUCON SURESHOT AF can be adjusted to give the optimum setting characteristics in different environments. EUCON SURESHOT AF contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Quick setting characteristics
- Powerful enough for multiple, thick sprayed linings
- Effective at low doses
- Improves early strength very quickly

PRIMARY APPLICATIONS

- Tunnel applications
- Mining applications
- Ground and slope stabilization

PRECAUTIONS/LIMITATIONS

- Store EUCON SURESHOT AF in plastic or stainless steel tanks that are sealed to avoid contact between air and the accelerator. **DO NOT STORE IN MILD STEEL CONTAINERS.**
- Must be stored at minimum temperature of 40°F and maximum temperature of 85°F (with an optimum temperature for storage and performance at 70°F).
- Mechanically re-circulate product before using and periodically when left in storage for extended periods.
- Do not use a filter on the suction hose of the pump, as it may cause obstructions.
- Do not use EUCON SURESHOT AF with any other manufacturer's accelerator.
- In all cases, consult the Safety Data Sheet before use.

TECHNICAL INFORMATION

PERFORMANCE CHARACTERISTICS

Dosage	Initial Set	Final Set	24 Hour Strength
6%	2 min	6 - 8 min	18 - 20 MPa (2600 - 2900 psi)
4%	5 min	8 - 12 min	12 - 15 MPa (1750 - 2175 psi)
3%	Greater than 10 min	Greater than 15 min	Below 10 MPa (Less than 1450 psi)

DIRECTIONS FOR USE

EUCON SURESHOT AF is generally dosed at rates ranging from 2.5% to 8% by weight of cement. Dosages will vary depending on desired acceleration, ambient conditions and cement used. Use of alkali-free accelerators to attain very early initial set times will cause lower 28 day strengths to occur. For this reason, it is important to determine the lowest practical dose rate to attain desired acceleration.

EUCON SURESHOT AF is added through the shotcrete nozzle. For best results The Euclid Chemical company recommends dosing EUCON SURESHOT AF using a peristaltic or progressive cavity type pump. Do not use diaphragm, piston, ball and seat valve pumps, pressure tanks or gear pumps.

After using EUCON SURESHOT AF, clean equipment thoroughly with water. Failure to do so could cause pump blockage and/or breakdown.

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