

EUCON™ SURESHOT™

HIGH PERFORMANCE SHOTCRETE COAGULANT



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: ~ 11.5

Color: Clear

Specific Gravity: ~ 1.34

Solubility in water: 100%

Chloride content: Less than 0.1%

DESCRIPTION

EUCON SURESHOT is a liquid, high performance accelerator. This admixture has been specifically engineered to give high early and ultimate compressive strengths in shotcrete applications. EUCON SURESHOT can be adjusted to give the optimum setting characteristics in different environments. EUCON SURESHOT 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
- Reduce rebound, especially when shooting overhead

PRIMARY APPLICATIONS

- Tunnel applications
- Mining applications
- Annulus grout acceleration
- Ground and slope stabilization

PRECAUTIONS/LIMITATIONS

- EUCON SURESHOT should be stored above 40°F (4°C) and below 85°F (29°C).
- Do not use EUCON SURESHOT 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%	5 min	15 - 20 min	7 - 9 MPa (1025 - 1310 psi)
4%	9 min	20 - 30 min	5 - 7 MPa (730 - 1025 psi)
3%	Greater than 20 min	Greater than 45 min	Below 5 MPa (Less than 730 psi)

DIRECTIONS FOR USE

EUCON SURESHOT is used at dosage rates ranging from 3% to 8% by weight of cement. Dosages will vary depending on desired effect, ambient conditions and mix materials used. Overdosing greater than 8% may lower ultimate compressive strengths.

EUCON SURESHOT is added through the shotcrete nozzle. For best results The Euclid Chemical Company recommends dosing EUCON SURESHOT using either a progressive cavity or peristaltic pump. Ensure that pump and lines are cleaned thoroughly with a vinegar-water solution before using the same pump for dosing an alkali-free accelerator.

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

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