

EUCON™ SURESHOT™ AF2LV

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: Clear to Light Brown

Specific Gravity ~ 1.32

Chloride content: Less than 0.1%

DESCRIPTION

EUCON SURESHOT AF2LV is a liquid, high performance accelerator specifically engineered to give high early and ultimate compressive strengths in shotcrete applications. EUCON SURESHOT AF2LV can be adjusted to give the optimum setting characteristics in different environments. Even having a low viscosity, EUCON SURESHOT AF2LV integrates easily into the shotcrete stream. EUCON SURESHOT AF2LV 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
- Improves early strength very quickly

PRIMARY APPLICATIONS

- Tunnel applications
- Mining applications
- Ground and slope stabilization

PRECAUTIONS/LIMITATIONS

- Store EUCON SURESHOT AF2LV in plastic or stainless steel tanks only.
- Do not use EUCON SURESHOT AF2LV with any other manufacturer's accelerator.
- 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).
- In all cases, consult the Safety Data Sheet before use.

TECHNICAL INFORMATION

PERFORMANCE CHARACTERISTICS

Dosage	Initial Set	Final Set	24 Hour Strength
10%	3 min	8 - 12 min	18 - 20 MPa (2600 - 2900 psi)
8%	7 min	12 - 17 min	12 - 15 MPa (1750 - 2175 psi)
6%	Greater than 14 min	Greater than 22 min	Below 10 MPa (Less than 1450 psi)

DIRECTIONS FOR USE

EUCON SURESHOT AF2LV is generally dosed at rates ranging from 5% to 12% by weight of cement. Dosages will vary depending on desired acceleration, ambient conditions and cement used. Overdosing greater than 15% may lower ultimate compressive strengths.

EUCON SURESHOT AF2LV is added through the shotcrete nozzle. For best results The Euclid Chemical company recommends dosing EUCON SURESHOT AF2LV using a peristaltic type pump or rotor stator pump. Do not use diaphragm, piston, ball and seat valve pumps, pressure tanks or gear pumps.

After using EUCON SURESHOT AF2LV clean equipment thoroughly with water. Failure to do so could cause pump blockage and/or breakdown.

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