



THE EUCLID CHEMICAL COMPANY

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EUCON SURESHOT AF



HIGH PERFORMANCE ALKALI-FREE SHOTCRETE ACCELERATOR

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.

PRIMARY APPLICATIONS

- Tunnel applications
- Mining applications
- Ground and slope stabilization

FEATURES/BENEFITS

- Quick setting characteristics
- Powerful enough for multiple, thick sprayed linings
- Effective at low doses
- Improves early strength to achieve structural values rapidly

PACKAGING

EUCON SURE SHOT AF liquid is available in 275 gal (1041 liter) totes and 55 gal (208 liter) drums.

Shelf Life: 6 months in original, unopened container.

DOSAGE

EUCON SURESHOT AF is generally dosed at rates ranging from 3% to 10% by weight of cement. Dosages will vary depending on desired acceleration, ambient conditions and cement used. Overdosing (>10%) may lower ultimate compressive strengths.

TECHNICAL INFORMATION

Physical Data

Color	Beige
Specific Gravity	1.43
pH (1:1 water sol.)	2.2 - 2.7
Thermal stability	40 -85F (4 - 29C)
Chloride content	< 0.1%

Performance Characteristics

Initial Set	Final Set	24hr Strength
2 min	6-8 min	18-20 MPa
5 min	8-12 min	12-15 MPa
>10 min	>15 min	<10 MPa

DIRECTIONS FOR USE

The ideal water to binder ratio for this product is 0.45 or less. EUCON SURESHOT AF is added through the spray nozzle. For optimum performance, and to ensure adequate mixing, EUCON SURESHOT AF should be added to opposing accelerator ports on the nozzle.

For best results The Euclid chemical company recommends dosing EUCON SURESHOT AF using a peristaltic type pump. Do not use progressive cavity, 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.

PRECAUTIONS / LIMITATIONS

- EUCON SURESHOT AF should be stored above 40°F (4°C) and below 85°F (29°C).
- Store EUCON SURESHOT AF in plastic or stainless steel tanks that are sealed to avoid contact between air and the accelerator.
- 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.

ADDITIONAL INFORMATION

For more information on the use of EUCON SURESHOT AF or any other admixture, contact The Euclid Chemical Company, Underground Sales and Marketing at 1-800-321-7628, extension 8395. The Euclid Chemical Company will assist mining and tunneling operations in testing of materials to assess correct admixture usage for specific applications.



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