

# EUCON SURESHOT AF 20

High Performance Alkali-free Shotcrete Accelerator



EUCLID CHEMICAL

## DESCRIPTION

**EUCON SURESHOT AF 20** is a liquid, high performance accelerator specifically engineered to give high early and ultimate compressive strengths in shotcrete applications. **EUCON SURESHOT AF 20** 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.

## TECHNICAL INFORMATION

The following information has been determined under laboratory conditions of 23°C and 50% relative humidity.

### Physical Data

Colour	Beige
Density (+25°C)	1,497 ± 0,03 kg/L
pH (1:1 suda çöz.).	2,05 - 3,05
Chloride content	< %0,1

### Performance Characteristics

Accelerator Dosage	Initial Set	Final Set	24 Hr Strength
%6	2 min	6 - 8 min	18 – 20 MPa
%4	5 min	8 - 12 min	12 -15 MPa
%3	>10 min	>15 min	<10 MPa

## PACKAGING

**EUCON SURESHOT AF 20** is available in bulk, 1500 kg IBC and 280 kg drum.

## SHELF LIFE

Shelf life is 6 months if stored in original unopened IBC tank or barrel packaging. In case of storage in bulk, it is 1 year provided that a circulation pump is used in the tank made of stainless steel.

## DIRECTIONS FOR USE

- **EUCON SURESHOT AF 20** is added through the shotcrete nozzle.
- For best results **EGECRETE Yapı Kimyasalları** company recommends dosing EUCON SURESHOT AF 20 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 20, clean equipment thoroughly with water. Failure to do so could cause pump blockage and/or breakdown.

## PRECAUTIONS/LIMITATIONS

- Store **EUCON SURESHOT AF 20** in plastic or stainless steel tanks that are sealed to avoid contact between air and the accelerator. **DO NOT STORE IN MILD STEEL CONTAINERS.**
- 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 20** with any other manufacturer's accelerator.
- In all cases, consult the Material Safety Data Sheet before use.

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