



THE EUCLID CHEMICAL COMPANY

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EUCOSHOT SSP

Superplasticizer



EUCOSHOT SSP is a polycarboxylate based plasticizing admixture which is flexible enough to use as a Type A & Type F water reducer. Excellent setting characteristics, predictable response to air entrainment and outstanding slump retention makes EUCOSHOT SSP ideal for all shotcrete applications. At lower doses, EUCOSHOT SSP improves pumpability and workability especially when using structural fibers. At higher doses, EUCOSHOT SSP can be used for high slump increases, to aid shotcrete mix transportation through deep boreholes and slick lines, and still attain excellent shooting properties.

FEATURES/BENEFITS

- Improves rheological properties
- Reduces water addition requirements
- Improves high early strength development
- High slump (up to 10.5") while maintaining build and strength properties
- Predictable response to air entrainment

SPECIFICATIONS/COMPLIANCES

EUCOSHOT SSP fully complies with the requirements of ASTM C-494, Types A & F admixtures and AASHTO M-194.

PACKAGING

EUCOSHOT SSP is packaged in bulk, 275 gal (1041 liter) totes and 55 gal (208 liter) drums.

Shelf Life: 2 years in original, unopened package.

DOSAGE

EUCOSHOT SSP will achieve ASTM C-94 Type A performance at dosages of 2-3 oz per 100lb (130-195 ml / 100 kg) of cement. For mid-range performance, use 4-6 oz per 100 lb (260-390 ml / 100kg) of cement and ASTM C-494 Type F performance can be achieved by using 7-10 oz per 100 lb (455-650 ml / 100 kg) of cement. Higher dosages can be used to achieve up to 10.5" (270mm) of slump in most shotcrete mixes.

TECHNICAL INFORMATION

Physical Properties

Specific Gravity 1.04
Freezing Point 20°F (-7°C)
Color Brown

Slump Retention

Initial Slump 8.75" (225mm)
Slump @ 60 minutes 7.5" (190)

Air Content

Initial Air Content 8.0%
Air Content @ 60 minutes 7.2%

DIRECTIONS FOR USE

EUCOSHOT SSP should be added to the sand or water. It should not come in contact with dry cement or other admixtures until thoroughly mixed with the shotcrete batch.

PRECAUTIONS/LIMITATIONS

- Care should always be taken to maintain EUCOSHOT SSP above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Never agitate with air
- Add to shotcrete mix independent of other admixtures.

ADDITIONAL INFORMATION

For more information on the use of EUCOSHOT SSP 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.



EucoShot SSP 12.03

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