



EUCLID CHEMICAL

EUCON™ AIR-DOWN

AIR DETRAINER AND CONCRETE DEFOAMER

PRODUCT INFORMATION

PACKAGING

Available in Cases of 24 dissolvable
500 g (1.1 lb) bags

SHELF LIFE

3 years in original, unopened
container

SPECIFICATION/COMPLIANCES

ASTM C494, Type S

TECHNICAL INFORMATION

Color: Tan Powder

Odor: Mild

Bulk Density: ~ 25.2 lb/ft³

Specific Gravity: ~ 1.35

DESCRIPTION

EUCON AIR-DOWN is a dry powdered defoaming admixture designed for use in wet concrete or dry blended materials. It decreases foaming and minimizes air entrainment in cement slurries, grouts, concrete, and mortars. It is also used to counteract the air entrainment caused by some cements and superplasticizers. EUCON AIR-DOWN is available in a patented water-soluble inner bag for convenient use at the plant of job site. EUCON AIR-DOWN contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Reduces the amount of rejected concrete
- Reduces the entrained air caused by some superplasticizers
- Recommended for the production of heavy weight concrete
- Increases the unit weight of concrete
- Allows for high speed mixing of cement, fly ash, and other cementitious materials without foaming
- May increase compressive strength of concrete

PRIMARY APPLICATIONS

- Ready Mix Concrete
- Precast Concrete
- Concrete Floors
- Heavy Weight Concrete
- Any concrete applications where air content needs to be lowered

PRECAUTIONS/LIMITATIONS

- EUCON AIR-DOWN is compatible with other Euclid Chemical Admixtures.
- If air entrainer is overdosed, EUCON AIR-DOWN may not be enough to overcome high levels of entrained air.
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.

DIRECTIONS FOR USE

For Wet Mix Concrete:

1. Determine the amount of Eucon Air-Down required. See Recommended Dosage Rate.
2. Each 1.1 lb (500g) package is double bagged. Remove the outer bag and add the entire inner water-soluble bag and contents to the plastic/wet concrete. The entire inner bag will easily dissolve.
3. Mix at high speed for about 5 minutes to insure that the Eucon Air-Down is uniformly dispersed throughout the mix.
4. Concrete containing Eucon Air-Down may be redosed to achieve the desired level of air entrainment.

For Dry Mixes:

1. Determine the amount of Eucon Air-Down required. See Recommended Dosage Rate.
2. Blend thoroughly as a dry powder into dry mixes.

Wet Mix Concrete: To reduce air content by 1 - 2%, use one bag of EUCON AIR-DOWN for every 1 - 3 yd³ (1 - 2 m³) of concrete. For best results, add Eucon Air-Down at the beginning of the batching sequence. Testing is recommended to determine the best mix design for your specific materials.

Dry Mixes: Recommended Dosage is 0.1 - 0.5% by weight of cement for dry-blended materials. Since many factors may affect air content in concrete, testing with your specific materials is recommended to determine the optimum dosage rate.

Contact your local Euclid Chemical sales representative for additional technical assistance.

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