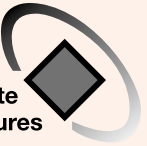


EUCON SRA

SHRINKAGE REDUCING ADMIXTURE

Euclid
Concrete
Admixtures



DESCRIPTION

EUCON SRA is a ready to use liquid admixture specifically designed to reduce drying shrinkage and the potential for subsequent cracking in concrete and mortar.

EUCON SRA acts directly on the shrinkage causing mechanism at the time of the cement hydration while reducing capillary tension of pore water in concrete. This action substantially reduces the drying shrinkage. EUCON SRA does not contain added chlorides and will not promote the corrosion of steel.

PRIMARY APPLICATIONS

- Foundations
- Floors
- Silos
- Concrete pipes
- Water tanks
- Interior/Exterior
- Arenas
- Walls
- Piers
- Water purification plants
- Swimming pools
- Underground construction
- Watertight construction
- Artificial skating rinks

**Do not use EUCON SRA if these structures are subjected to de-icing salts and/or salt water.*

FEATURES/BENEFITS

- Typically, shrinkage may be reduced up to 50%, depending on the cement used.
- Reduces cracking caused by shrinkage.
- Increases the life of the structure.
- Decreases expensive maintenance costs and increases the durability of the structure.

TECHNICAL INFORMATION

Specific Gravity 0.95
pH..... 6-7.5
Color..... Clear
Flash Point..... 220°F (104.4°C)

EUCON SRA is compatible with all cementitious materials that meet current standards and the full range of EUCLID CHEMICAL admixtures.

Consult your local Euclid Chemical representative for additional information. Trial batches are highly recommended.

PACKAGING

EUCON SRA is available in 55 gal (208 L) drums and 5 gal (18.9 L) pails.

SHELF LIFE

2 years in original, unopened container

DIRECTIONS FOR USE

Add EUCON SRA after all admixtures have been introduced into the mix. It is also recommended to allow enough mixing time before the addition of water and the superplasticizer to ensure concrete homogeneity. When an air entraining agent is used, it must be introduced with the first 50% of water and aggregates (before the introduction of the cement.) This will allow the air void system to develop before the addition of superplasticizer and EUCON SRA.

Shrinkage Reducing Admixture
EUCON SRA

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An **RPM** Company



Since EUCON SRA decreases the surface tension, the dosage of the air entraining agent should be decreased in relation to concrete without EUCON SRA, to ensure proper air content. EUCON SRA has a plasticizing effect on plastic concrete, therefore, it is recommended to decrease the volume of mixing water by an equivalent amount.

To reduce shrinkage, a dosage of 1% to 2% by weight of cementitious should be used. In most cases, the recommended dosage needed to optimize the effect of EUCON SRA is 2% by weight of cementitious.

NOTE: *EUCON SRA may have a plasticizing effect on plastic concrete.*

PRECAUTIONS/LIMITATIONS

Note: Since EUCON SRA decreases the surface tension, it will increase the air content in the mix. For this reason, the dosage rate of air entraining agents must be decreased. In the case of concrete having a water/cement ratio of 0.43 containing silica fume, the relative durability factor was 98% assuring the resistance of the concrete to freezing and thawing cycles.

- All results obtained to date, indicate that even if the concrete has good resistance to freeze and thawing cycles or a good air void system, the de-icing salts resistance according to the ASTM C 672 Standard may not be achieved.
- EUCON SRA can be used in concrete that will be submitted to freezing and thawing cycles without the presence of de-icing salts and/or salt water. Do not use in concrete that can be subjected to de-icing salts and/or salt water.
- EUCON SRA may reduce the compressive strength up to 15% depending on the concrete mix design.
- Do not allow to freeze.
- In all cases, consult the Material Safety Data Sheet before use.

SECURITY/HANDLING

EUCON SRA has a flash point of 220°F (104.4°C). EUCON SRA must be handled with care and must not be subjected to excessive heat or in the presence of an open flame or sparks.

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.