



MegaAdd SRA

Shrinkage Reducing Admixture

DESCRIPTION

MegaAdd SRA is a ready to use powder admixture used for shrinkage reduction in Portland cement concrete. **MegaAdd SRA** has composition of Type G, which produces a calcium hydroxide platelet crystal system based on calcium aluminate/ calcium hydroxide, as specified in ACI 223.

Surface tension of capillary pore water has been linked to formation of a meniscus during hydration, which accounts, at least partially for shrinkage. The materials in **MegaAdd SRA** are designed to facilitate reduction in the capillary surface tension of pore water.

USES

MegaAdd SRA can be used in all types of concrete and mortars, whether cast-in-place, mass, precast or prestressed. The material can be used in straight Portland cement mixes or blended cement mixes. Typical applications include bridge decks, parking structures, dams, runways, stadiums, flooring applications, decorative concrete, and masonry or tile grouts and mortars.

The material also is effective for use with shotcrete mixes.

ADVANTAGES

- Expansion process is not through ettringite formation
- **MegaAdd SRA** is free from chlorides
- The expansion characteristics of **MegaAdd SRA** allow shrinkage reduction in concrete
- Improves durability
- Use of this admixture does not cause any slump loss
- Will not affect the mechanical strengths
- Reduces water and salt infiltration by reducing cracks
- Significantly reduces shrinkage cracking
- It is compatible with majority of types of Portland cement
- **MegaAdd SRA** does not affect the air content, set time or other characteristics of fresh concrete

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Appearance	-	Free flowing powder, off white to light brown
Compacted Bulk Density	-	0.64 - 0.68 gm/cc
pH (10% aqueous solution)	ASTM C 878, C157	11 - 13

COMPATIBILITY

With Cement: **MegaAdd SRA** is suitable for use with all types of cement and cementitious materials.

With Other Admixtures: **MegaAdd SRA** is compatible to use with all types of water reducing plasticisers, naphthalene based superplasticisers and poly carboxylate based superplasticisers.



MegaAdd SRA

DOSAGE	<p>The normal dosage of MegaAdd SRA is 2.5 – 5 % by weight of cementitious materials. Site trials should be carried out to establish the optimum dosage for the mix to be used and method of placement.</p> <p>For best results, use MegaAdd SRA in concrete with the W/C (water to cement ratio) lower than 0.55.</p> <p>How to Add : Should be added to the mix as a powder, just like cement or pozzolans. Do not pre-dissolve or mix as a slurry in water before adding. MegaAdd SRA should be added to the mix before other admixtures or water. Allow sufficient time for mixing (minimum 60 seconds) to ensure even distribution of product in the mix.</p>	
EFFECT OF OVER DOSING	<p>An overdose of double the recommended amount of MegaAdd SRA will result in slight retardation of set time and decreases shrinkage cracking.</p>	
PACK SIZE	<p>10 kg and 20 kg bag</p>	
NOTE	<p>To prevent drying shrinkage, ensure that proper curing is provided when placing concrete. MegaAdd SRA is not designed to compensate for improper / inadequate curing procedures.</p>	
GENERAL INFORMATION	Shelf Life	<p>12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.</p>
	Cleaning	<p>Clean all equipments and tools with water immediately after use.</p>
HEALTH and SAFETY	PPE's	<p>Gloves, goggles and suitable mask must be worn.</p>
	Precautions	<p>Contact with skin, eyes, etc. must be avoided.</p>
	Hazard	<p>Regarded as non-hazardous for transportation.</p>
	Disposal	<p>Do not reuse bags. To be disposed off as per local rules and regulations.</p>
	Additional Information	<p>Refer MSDS. (Available on request.)</p>
TECHNICAL SERVICE	<p>CONMIX Technical Services are available on request for onsite support to assist in the correct use of its products.</p>	

Manufacturer:
CONMIX LTD.
 P.O. Box 5936, Sharjah
 United Arab Emirates
 Tel: +971 6 5314155
 Fax: +971 6 5314332
 Email: conmix@conmix.com

Sales Office:
 Tel: +971 6 5682422
 Fax: +971 6 5681442
www.conmix.com



It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, Conmix does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to Conmix standard terms and conditions of sale.