

HI-PLAST SRA

(Shrinkage Reducing Admixture.)

DESCRIPTION

Hi Plast-SRA is a liquid admixture specifically designed to reduce drying shrinkage and the potential for subsequent cracking in concrete and mortar. Rather than functioning as an expansive agent, Hi Plast-SRA acts by reducing the surface tension of pore water.

USES

Hi Plast-SRA may be used in any concrete but provides the most value when used for interior slab-on-grade construction where the potential for cracking and curling due to drying shrinkage is prevalent and undesirable. It can be used in ready mix, precast, and prestress non air-entrained concrete, in addition to mortar, grout and wet mix shotcrete.

ADVANTAGES

- Typically, shrinkage may be reduced up to 50%, depending on the cement used.
- Reduces cracking caused by shrinkage. Improves durability, which reduces maintenance and repair costs
- Reduces the potential of cracking due to drying shrinkage in fully and partially restrained concrete

SHEL LIFE

It has a minimum shelf life of 12 months. Depending on storage conditions, the shelf life may be greater than stated.

TECHNICAL DATA

Appearance	: Clear, Light green
Form	: Liquid
Odor	: mild
Specific Gravity	: 0.95-1.05
pH Value@ 23°C	: 6-8

DIRECTIONS

Dosage: Add Hi Plast-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. The dosage of Hi Plast SRA will be dependent on the desired drying shrinkage and the reduction in drying shrinkage required. Therefore, it is strongly recommended that drying shrinkage testing be performed to determine the optimum dosage for each application and each set of materials. To reduce shrinkage, a dosage of 1% to 2% by weight of cement should be used. In most cases, the recommended dosage needed to optimize the effect of Hi Plast SRA is 2% by weight of cement. Hi Plast-SRA is compatible with all water-reducers, mid-range water-reducers, high-range water-reducers, set retarders, accelerators, silica fume, and corrosion inhibitors.

PACKING

Hi Plast-SCA is available in 210 Lt HDPE Barrels.

STANDARD COMPLIANCE

HI PLAST SRA complies with **IS 9103 1999(2007)**

This Product is Formulated and Labelled and Commercial use only

For Best Results and Safest Usage, User is Specialty Directed to Consult.

Product Warranty: All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct, HI BOND warrants its products to be free of m fg. Defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within HI BOND'S directions and tested in HI BOND'S standards. HI BOND'S facility is limited to replacement of material found to be defective. As HI BOND has no control over the u e to which others m ay put its products. It is recommended that the product be tested to determine if suitable for a specific application and / or our inform ation is valid in particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, applications and proper installation of each product. Nothing contained herein shall be construed to be a recommend at on to use or as a license to operate under or to infringe any existing patents.