

## TECSY SRA 100

(High performance Shrinkage reducing  
Admixture for fresh Concrete)

### DESCRIPTION

TECSY SRA 100 is shrinkage reducing admixture which will reduce drying shrinkage in concrete and mortar, and the potential for subsequent cracking. TECSY SRA 100 is recommended for all types of concrete where a reduction in drying shrinkage is required. Examples: Slab-on-ground concrete, Concrete structures subject to marine and/or chemical environments, Industrial pavements, Pre-stressed elements, Tunnel linings, Bridge girders, Watertight and water retaining structures, Concrete pipes, Manufactured concrete products, etc.

### ADVANTAGES

- Significantly reduces drying shrinkage by as much as 80% at 28 days, and up to 50% at one year
- Reduces stresses induced from one-dimensional surface drying in concrete slabs and floors.
- Reduces compressive creep.
- Reduces carbonation.
- Reduces drying shrinkage cracking and micro cracking thereby improving aesthetics, water-tightness and durability.
- Increased joint spacing in concrete pavements and slab-on-ground

### SPECIFICATIONS:

Appearance	:	Light Yellowish Liquid
Chloride content	:	0.014 IS: 9103-1999 IS 6925-1973 (Reaffirmed 2013)
pH value	:	7 ± 1
Specific Gravity	:	1.01 ± 0.02
Solubility	:	Water soluble

### DOSAGE

Range : 300 ml - 2000 ml per 100 kg cement.  
(0.3% to 2% [v/w])

TECSY SRA 100 shrinkage- reducing admixture may be added to the concrete mixture during the initial batch sequence or at the jobsite. If the delayed addition method is used, mixing at high speed for 3 to 5 minutes after the addition of TECSY SRA 100 will result in mixture uniformity.

## **APPLICATION INSTRUCTIONS**

TECSY SRA 100 can be added during the batching process or on site. It is recommended that when added during batching process.

TECSY SRA 100 is added to the initial batch water (as per a normal water reducer) to ensure complete water distribution throughout the mix.

The recommended dose rate of TECSY SRA 100 is 2 to 8 liters per cubic meter.

When added on site, high speed agitation for 2 to 3 minutes is required to ensure complete distribution of the TECSY SRA 100 throughout the mix.

The TECSY SRA 100 dosage must be considered as part of the unit water content of the mix design. A reduction of 2 to 8 liters of water per cubic meter is therefore recommended when batching the concrete.

TECSY SRA 100 should not be pre mixed with other admixtures. If other admixtures are to be used in concrete containing TECSY SRA 100 they must be dispensed separately.

## **STORAGE & SHELF LIFE**

TECSY SRA 100 has a minimum shelf life of 12 months, if kept in a dry store in unopened containers. Away from the direct sunlight.

## **MATERIAL SAFETY DATA**

TECSY SRA 100 is made from chemicals which present no fire or health hazard. However, in case of spillage, washing with water is adequate. Eye / skin contact should be avoided.

## **PACKING**

50 kg / 200 kg HDPE drums. Bulk tanker on request.

### **DISCLAIMER**

*Information contained in this bulletin is true, accurate and represents our best knowledge and experience. No warranty is given or implied with any recommendations made by us or any of our representatives, as the conditions of use and the competence of any labour involved in the produce usage are beyond our control.*

