



## General Purpose Liquid Accelerator to Enhance Hydration and Reduce Setting Time of Mortars and Concrete

### General

**SS - QuickSet SI** is a general purpose Concrete and Mortar set accelerating admixture, which reduces initial setting time and makes concretes and mortars set faster compared to normal ones. **SS - QuickSet SI** is very effective while working at low temperatures. The use of **SS - QuickSet SI** accelerates hydration of concretes / mortars and thereby increases the initial and final strengths. This enables early demoulding of formworks especially in cement products manufacturing plants. By virtue of its being chloride free, the reinforcement is safe in the passivating conditions and no corrosion is initiated. **SS - QuickSet SI** is compatible with almost all other admixtures.

**SS - QuickSet SI** is suitable for both site batched and ready mixed concretes. It is suitable for use in all concretes with flyash, GGBSF, microsilica, metakaolin and other supplementary cementitious materials. **SS - QuickSet SI** does not reduce the workability and decreases the permeability of concrete. **SS - QuickSet SI** is extremely suitable for concretes in foundations and waterlogged areas in which concrete needs to be cast. It has anti-washout properties and sets in wet and underwater conditions.

It is extremely suitable for PCC and factory floorings where high strength and low dusting is desired.

### Product Features

- Chloride Free
- Non Toxic and Non Flammable
- Compatible with Flyash, GGBSF, MS, Metakaolin etc.
- Does not Promote Corrosion
- Reduces Setting Time
- Improves Density and Strength
- Helps in development of Strengths
- Allows Fast Finishing
- Speeds Construction Time
- Reduces Curing Time
- Sets Under Water
- Has Plasticising Properties



Concrete & Mortar Additives



### Areas of Application

- For PCC Constructions
- Quick Setting Renders
- For PCC in Wet Conditions
- Preparation of Water Plugs
- Enables Quick Setting Floorings
- For Waterproof Mortars
- To Prepare Installation Aid
- Densifies the Surface
- Preparation of Water Sealing Slurries
- For Foundations and Grouting
- For Quick Stoppage of Water

### Areas of Application

<b>Specification Keywords</b>	Multifunctional and Chloride Free Admixture, Accelerator, Early Setting, OPC, Blended Cements, Quick Setting Plug
<b>Delivered As</b>	Liquid
<b>Storage Instructions</b>	In Original Packing. In a cool dry place.
<b>Shelf Life</b>	12 Months from date of Manufacture.
<b>Post Use</b>	Use Complete Packs, Dispose packaging according to local regulations.
<b>Packing Size</b>	30 kg, 230 kg

**Assess Build Chem Private Limited**



## Hazards and Safety



**Preliminary Trials Mandatory**

## Technical Data

<b>Form</b>	Liquid
<b>Sp. Gravity (Liquid)</b>	≈ 1.25 +/- 0.10
<b>Dosage</b>	As per Chart plus Water as Required
<b>pH</b>	≈ 11.5 +/- 0.20 - Alkaline
<b>Chloride Content</b>	< 0.1%

## Guideline Dosages for SS - QuickSet SI (Dependent on Ambient Temperatures)

Cement	Sand	Setting Time Start M	Setting Time End M	%
1	-	Immediately	5	25 - 30
1	1	5	12	15 - 20
1	1	10	15	5 - 10
1	2	8	20	15 - 20
1	2	20	35	5 - 10
1	3	15	35	15 - 20
1	3	25	60	5 - 10

## Instructions for Use

Add **SS - QuickSet SI** to the concrete during mixing, most preferably along with the additional water. Do not add **SS - QuickSet SI** to the dry aggregate/cement mix, as it reduces efficiency of the admixture. The admixture is most effective when dosed after about 70% of the mixing water has been added to concrete. The mixing time after addition of the admixture should be long enough to allow the admixture to disperse in the mix completely. The concrete to be produced can be mixed in a standard drum mixer or a modern batching plant / pan mixer setup.

In-case the admixture needs to be dosed on-site into transit mixers, please follow corresponding engineering and safety rules. Post addition, rotate the transit mixer drum at full speed for atleast 3 minutes, to allow the admixture to disperse homogenously. As with all chemical products, take care during use and storage to avoid contact with eyes, mouth, skin or food. In case of contact, rinse eyes and skin immediately with plenty of water. If ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storing water or other consumable foods. Use Complete Packs.

## Safety and Precautions

To determine individual technical suitability, test the admixture under application conditions. Please allow us to assist you for your concrete technology testing/needs. Follow relevant standards for production, placing and curing of concrete. As with any concrete, efficient curing is essential to develop final properties mechanical and durability properties.

Depending upon the concrete mix severe over dosage of the admixture may result in apparent incompatibility such as bleeding/ segregation of concrete, quick setting, excessive air entrainment, etc. Slight overdosing would not severely affect the ultimate strength of concrete provided the concrete is properly mixed, handled and placed and adequately compacted and cured.