

# SUNKOLL RCC HARDENER H03

## Technical Data Sheet



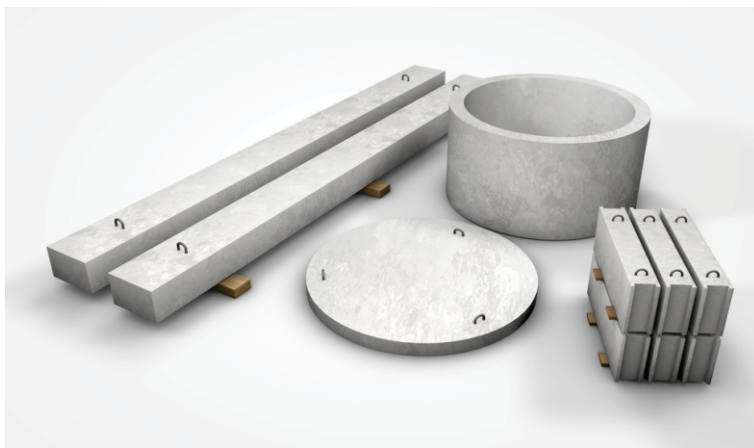
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### Chloride Free Accelerating Plasticizer For Concrete

**In Compliance With**  
IS 9103-1999, BS 5075 PART-1  
& ASTM-C 494 Type "C" as  
Accelerating Admixture

**SUNKOLL RCC HARDENER H03** is Accelerating admixture for concrete, which accelerates the stiffening and early strength gain of Portland cement concrete and mortar. The application areas are structural concrete, concrete blocks, concrete pipes, precast items and also suitable for cold weather masonry work.

### How To Use



### Benefits :

- It is a chloride free accelerator and does not affect pre-stressed and pre-cast Concrete Adjust the water quantity as per ambient temperature & surface. The final mix must be workable paste.
- It can be used in Concreting at any temperature Between 5° C to 45° C.
- It is specially designed to control water cement ratio and reduce set rate at early stage of concrete as well gain ultimate strengths.
- This product can go with both PCC & RCC.
- It gives high early strength.

### Technical Properties

Colour	: Brown Color Liquid
Specific Gravity at 30° C	: 1.26 to 1.28
Air Entrainment	: Approximately 1% Additional Over Control
Chloride Content	: Nil, According to IS 456-1978, BS-5075
BASE	: Amines & Formats

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Water Proofing Chemicals | Adhesives | Grouts/Epoxy Grouts | Wall Putty

## Trial Result

Mix Design : M-20

Mix Constituents :

Cement : OPC 53 Grades  
Sand : 42% Zone II  
Aggregates : 58 %  
(20mm & 10MM)

Trial No.	Cement Content Kg/ m <sup>3</sup>	Dosage Ltr/50Kg Cement	Water/ Cement Ration	Setting Time		Slump mm	Compressive Strength N/ mm <sup>2</sup>		
				Initial	Final		3 Days	7 Days	28 Days
1. (Without Chemical)	300	NIL	0.60	3:00 Hr	4:30 Hr	90 mm	17	29	43
2. (Without Chemical)	300	1.25	0.55	2:00 Hr	3:30 Hr	100 mm	24	34	46

## Application Method

**SUNKOLL RCC HARDENER (H03)** is compatible with all kinds of OPC, composite cement (PSC and PPC), Silica Fume, Metakaolin, Rice Husk Ash (RHA), Pulverized Fuel Ash (PFA) and Ground Granulated Blast Furnace Slag (GGBFS). But it is recommended to add proper dose at the time of mixing with cement for better result. After addition of the concrete should be **SUNKOLL RCC HARDENER (H03)** mix at least for 2 minutes.

### Dosage :

- The normal recommended dosage is 500ml to 1.2 Ltrs per 50 Kg of Cement. The ultimate dosage has to be determined by site trials.

### Packing :

- 20 Kg, 50kg & 230 Kg Plastic Barrel.

### Storage & Shelf Life :

- To Be Stored Away From Heat And Frost. Best Before 24 Months From The Date Of Manufacturing.

### Material Safety Data :

- SUNKOLL RCC HARDENER (H03) 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.

### Fire :

- SUNKOLL RCC HARDENER (H03)** is Non Flammable & Non-Toxic.

## SUNKOLL RCC HARDENER H03



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### SUNKOLL Green Building Index :

SUNKOLL Range of Products are most eco-friendly and suitable to use in all kind of buildings including certified green. Apart from using best of international raw material for best performance, SUNKOLL procure the major raw material locally to safeguard environment.

### SUNKOLL Quality & Safety Assurance

Products supplied are safe to use by any worker at site. However proper tools and safety measures must be in place for prolong working. The gloves, safety glasses and other protection measure must be followed as per local regulation.

### Declaration :

All the above information and results are provided based on **SUNKOLL** internal quality test. Customer must check before using the product about performance and final expected results. **SUNKOLL** cannot be held responsible for any damage of whatsoever nature at site.

## SUNKOLL INDUSTRIES LIMITED

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