

## **RH-540 S**

*(Acrylic polymer for cement based applications)*

RH-540 S is anionic dispersion of styrene & esters of acrylic acid. RH-540 S increase / improves the flexibility, flexural strength, adhesion, crack bridging and water resistance. It has low glass transition temperature & low minimum film forming temperature results in flexible & strong bonding with substrates.

### **TECHNICAL DATA**

Appearance	: Milky White
pH	: 7-8
Viscosity (cps)	: 100-150
Solid Content	: 45 % ± 1 %
Glass Transition Temp ( $T_g$ in $^{\circ}C$ )	: -5 $^{\circ}C$

### **ADVANTAGES :**

- High Adhesion & Concrete strength.
- good water resistance and reduces penetration of water into RCC structures.
- Non corrosive to iron & steel.
- Good abrasion resistance.
- High tensile & flexural strength to control creaking.

## **APPLICATION & INSTRUCTIONS:**

**Waterproofing:** The areas of applications include basements, terraces, overhead tanks, bathroom & toilet floors & balconies, etc, where waterproofing is needed. The cementitious slurry can be made using **1 Kg RH-540 S to 2 Kg cement** & can be applied with brush. surface should be thoroughly cleaned from any dust or scale. Ensure the applied coating gets at least 6 hours of setting time after application, during this time water contact should be avoided. Consume the cement slurry within 30 minutes for good application.

**Concrete & Plaster Repairs:** Repair concrete including reinforcing steel surface should be thoroughly cleaned from any dust or scale. The repair mortar can be made with **1 part RH-540 S : 5 part Cement :15 part Sand : 1 part Water**. And applied to repair area & finished with trowel.

**Bonding Agent / Bond Coat:** RH-540 is an acrylic based polymeric dispersion compatible with cementitious materials. It provides adequate bond strength when directly applied on concrete and also mixed with neat cement. For bond coat cementitious slurry can be made using **1 Kg RH-540 S to 1.5 Kg Cement** and used as sole bonding agent for bridging concrete gaps or old and new concrete.

**Priming:** The concrete substrate should be thoroughly dampened with water and any excess being brushed off. The repair mortar/topping should be applied whilst the primer is still tacky.

**PACKING:** RH-540 S is available in 1, 5 & 20 litter packs.

## **RUKHMINI CHEMICAL WORKS**

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