



## HS Seal-O-Crete

Acrylic Polymer Based Waterproof Protective Coating and Repairing Compound

**Product composition:** HS Seal-O-Crete is an acrylic polymer-based compound used as cementitious waterproof coating and repair mortar for concrete and plaster.

### USP

Features	Benefits
Usability	Easy to use, could be used with any OPC/ PPC type of cement, economical etc.
Durability	It is highly durable with continuous wet condition.
Weather Resistance	It is U.V (Ultraviolet) rays in sun light resistant as well as freeze – thaw resistant. It prevents peeling and blistering.
Crack Resistance	Prevents cracking by improving flexural strength
Corrosion & Chemical Attack	Helps to reduce corrosion and unaffected by chemical attack ranging from mild acid and strong alkali.

### Usage Area

HS Seal-O-Crete is ideal for use in new areas, as well as in renovation work for protecting, waterproofing, bonding old concrete to new concrete, sprayed mortar, repair mortar to concrete, brick work, masonry work for filling joints, grooves etc.

So, it is recommended for waterproofing of basements, toilets, roof gardens, terraces, swimming pool, water tank etc.

### DIRECTION FOR USE

**Surface preparation:** Prior to application of HS Seal-O-Crete all surface must be cleaned properly from all kinds of Dust, foreign particles/or any loose materials and also any kind laitance, oil & grease which may affect the bond strength. Degrease the surface by suitable solvent. Roughen the surface by using by light scabbling or grid blasting. Rectify, if any depression/honey-comb on the surface, by cement mortar using BERGER ACRYLIC SHIELD before application of slurry coating. The recommended ratio is [cement: sand: acrylic shield = 1: 1.5 :0.5]

**Mixing:** HS Seal-O-Crete is mixed with neat fresh cement in the ratio of 1:2 by weight with a help of speed (300- 400 rpm) paddle mixer. The mix has to be stirred thoroughly until free from any lumps and no air bubbles remain.

**Application:** All application area (flat, vertical or inclined) should be pre wetted to saturated surface dry condition, there should not be any standing water on the surface prior to application of BERGER ACRYLIC SHIELD system. Start the application by brush or roller on the prepared surface. Two or more coat are recommended. After 1st coat, allow it to dry for 4 - 5 hours for 2nd coat. Where more tensile strength is required it should be reinforced with non-woven glass fibre mesh.

**Curing:** After application of HS Seal-O-Crete system, it should be protected from any abrasion, rain and any over adverse condition for the first 24 hours. No traffic should be allowed with 48 hours. No water is required for initial 2 days curing, only air curing required at 10°C to 35°C. After that moist curing by spraying or sprinkling water only (never submerged in water) shall be done for next 24 hours and then air dry it again for next 3 days.

## TECHNICAL DATA

Properties	Specifications
Base	Acrylic type polymer based
Aspect	White liquid
Specific Gravity at 30°C	1.01 – 1.02
Dry Content (%)	30 -33
pH	7 - 9
Pull off adhesion Test (7 Day), ASTM D 7234	0.3 – 1 N/mm <sup>2</sup>
Water Permeability (By karsten Tube test)	(0.2 – 0.8) X 10 <sup>-3</sup> ml/min

## PRODUCT DESCRIPTION

<b>Shelf life</b>	12 months from the date of manufacturing in unopened condition		
<b>Storage</b>	Store in cool and dry place, free from direct sunlight and frost. Approx. temp range – (+) 5°C to 40°C.		
<b>Coverage of the chemical (Unit area consumption)</b>	For cement slurry coating		For brush top (with cement- sand)
	Ratio (cement: Chemical) = 1:0.5		(Cement: Fine sand: chemical: water) = 1: 1:0.5: 0.25
	For 1st Coat	0.240 kg/mt <sup>2</sup>	Single Coat: 0.650 kg/mt <sup>2</sup>
	For Two Coats	0.360kg/mt <sup>2</sup>	(Minimum thickness: 1.5 mm)
<b>Packs</b>	1kg, 5 kg, 20 kg as per requirement.		
<b>Health &amp; Safety precaution</b>	Wear hand gloves, safety shoes and safety goggles while using and handling the product. In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately. Before use, refer to the Material Safety Data Sheet.		

Disclaimer : The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the user's responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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