



STARCRETE

(ACRYLIC ADMIXTURE FOR WATERPROOFING)

DESCRIPTION METHOD OF APPLICATION:

STARCRETE is a white liquid Acrylic Polymer admixture blended with plasticisers and selected fillers. for waterproof coating, bonding agent, When diluted it produces a gauging solution for improving cementations mixes. When it is used with combinations with standard quality of ordinary Portland cement, it improves the mechanical properties such as bonding (adhesion) with various building materials, flexural, compression and impact strength. It improves the thin section fragility of cement when used as coating.

TECHNICAL INFORMATION

PROPERTIES SPECIFICATION TEST VALUE

I. Physical properties

1. Appearance Bluish Milky white
2. Viscosity on fold cup B-4 at 30° C Free flowing liquid / 14 sec.+/-1
3. pH Value at 30° C 8 to 10

II. Mixing Ratio

1. For coating Cement : Star Crete 2:1 parts by weight
2. For mortars of repair of 15–20% by weight on cement quantity.
RCC members
3. For flooring screeds 18-20% by weight on quantity
4. For cement paints 3-4 ltr. / 50kg. bag of cement
5. Bonding coat Cement : Star crete 1:1 parts by weight

III. Drying characteristics

1. Initial setting time 24 hrs.
2. Initial curing time 72 hrs. with moist cloth or water spray.
3. Complete curing time 28 days under water immersion
4. Finish of surface smooth

IV. Solid content-31-32%

FEATURES / ADVANTAGES

Star crete is easily mixed with cement, cures to hard, tough, weather resistant surface & bonds strongly to most of the building materials.

Star crete can be over coated by exterior emulsion base coating or cement based paints.

It can be applied to uniform thickness coating on both the horizontal and vertical surfaces. Star crete allows trapped water vapour to inhibit and prevents blistering and adhesion failure. It makes cement mortars or coating compact thus preventing salt penetration into concrete.

It is unaffected by UV light and prevents discolouration of concrete and corrosion in steel due to its alkali nature.

It is resistant to water, dilute acids and alkali solutions. Coating is highly durable even in continuous contact with water.

It is non-flammable, non-hazardous, does not evolve toxic gases when exposed to fire. Non-toxic to human being. Most properties improve on ageing. Resistant to fungus and microorganism growth.

Star Specialties Polymers Pvt. Ltd.

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AREA OF APPLICATIONS:

Waterproofing of building terrace, toilet sunken portion, basements, waterproofing of water tanks and swimming pools.

Bridge decks, traffic aprons, runway, parking garages, industrial or factory floors, balconies, mechanical rooms, side walls. Etc.

Pools and foundations, reservoirs, channels dams, water tower, tunnels etc.

Sewers, silos, foundation walls, swimming pools etc.

Repairing of concrete & masonry walls- internal, external and terrace roofs by cement mortars.

Protection of concrete against corrosion and efflorescence.

As an additive with cement paints which improves waterproofing property, coverage by 20-25% and life of cement paint.

As a bonding agent for old concrete and new concrete.

A. BRUSH COATING APPLICATION:

For waterproofing of terrace, toilet blocks, swimming pools, water tanks and basements.

1. After surface preparation pre-wet the surface with sufficient water.
2. Allow the surface to dry for minimum an hour. Mix 2kg. of OP cement with 1ltr. Of Star crete homogenously till no lump or air bubble remains in the mix.
3. Apply coating by brush and allow it to dry for 2 hrs. before application of second coat. Minimum 2 coats are required.

B. CEMENT PAINT ADMIXTURES

1. Mix 3-4ltr. Of Star Crete with 50kg. of cement paint homogeneously to form an uniform mix.
2. Apply the mixed and diluted cement paint by brush.
3. Allow to dry 2 hrs. before application of second coat.
4. It increases the covering capacity of cement paint by 20-25%.

Substrate Quality-

Depending on the application, the substrate should be sound and free of all traces of contaminants, loose and friable particles, cement laitance, oils and grease etc. For structurally bonded situations, the substrate must be structurally adequate.

Substrate Preparation -

The substrate should be prepared by suitable mechanical preparation techniques such as water jetting, needle guns, blast cleaning, scrabblers etc. and properly prewetted to a saturated surface dry condition.

Application Conditions / Limitations-

Substrate Temperature +5°C min. / +35°C max.

Health & Safety

Use of hand gloves is necessary while mixing the Product In case of contact with skin or eyes, use plenty of water to wash and obtain medical helps immediately.

Storage: Store in cool dry place

Shelf Life: 12 months from date of manufacturing **SSPL**.

Available Packing-1ltr. 5ltr. And 20ltr.

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