

PRODUCT DESCRIPTION

STARBOND STARCRETE is a white liquid Acrylic Polymer blended with plasticizers and selected additives. It can be used for waterproof coating, bonding agents, 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 a coating.

BENEFITS

- **STARCRETE** is easily mixed with cement, cures to hard, tough, weather-resistant surfaces & bonds strongly to most of the building materials.
- **STARCRETE** 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.
- **STARCRETE** allows trapped water vapor to inhibit and prevents blistering and adhesion failure.
- It makes cement mortars or coating compact thus preventing salt penetration into the concrete.
- It is unaffected by UV light and prevents discoloration of concrete and corrosion in steel due to its alkali nature.
- It is resistant to water, dilute acids, and alkali solutions. The 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 a human being. Most properties improve on aging. Resistant to fungus and microorganism growth.

USES

- 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, sidewalls. 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 effloresce.
- As a bonding agent for old concrete and new concrete.

TECHNICAL DATASHEET

Appearance	Free Flowing liquid
Color	Milky White
Solubility With water	Soluble
Solid Content (%)	32 ± 3 (ASTM D 1644-03)
Specific Gravity	1.0 ± .05 (ASTM D 1475-03)
Compatibility with Canvas cloth	Compatible
pH	8-10
Water Resistance	Excellent
Flammability	Non-Flammable

METHOD OF APPLICATION

FOR USE AS A BONDING SLURRY COAT

1. Clean and wet the surface 24 hours prior to application.
2. Mix **STARCRETE**, Water & Cement at the ratio of 1:1:2 respectively by weight.
3. Apply a single coat and place the mortar while the coat is still wet.

FOR USE AS A REPAIR MORTAR OR RENDER OR FLOOR SCREED

Mix **STARCRETE** in Dosage of 12 – 15 % By weight of total Cement Quantity. Add water as required to attain the requisite consistency.

FOR USE AS A WATERPROOF COATING

1. Prime the prepared surface with STARCRETE admixed with 3 liters of water by brush, roller & spray.
2. Mix STARCRETE, Water, and Cement in the ratio of 1:1:3 by weight and Apply 2 coats in a perpendicular direction in the interval of 4-6 hours with coverage of 35-40 Sq.ft in 2 coats depending on the substrate and site conditions.
3. Protective screed is Must

STAR SPECIALTIES POLYMERS PVT. LTD.

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MORTAR PLACEMENT

Topping Application

For patching, spread with a trowel or square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand troweling. On large floor areas, use screed strips as guides in combination with vibratory screeding to level. Compact and Finish by hand or machine trowel.

Finishing

Finish the repair material to desired texture with a broom or sponge float finish though mortars made with **STARCRETE** can be steel troweled. Do not add additional water to the surface during the finishing operation.

CLEANING

Clean tools and equipment with water before the material hardens.

PRECAUTIONS & LIMITATIONS

- Do not apply when the ambient temperature is below 10°C or above 45°C.
- Do not apply during rains.
- Adhesion property may get affected over poor quality putty and very smooth surfaces.
- When applying on a concrete surface make sure the concrete is completely cured.
- For performing any kind of pond tests in case of waterproofing kindly allow the membrane to be cured for minimum 7 days.

HEALTH & SAFETY

As with all chemicals, caution should always be exercised. Protective clothing such as gloves, masks, and goggles should be worn.

INHALATION: Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Immediately shift the victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: Causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

SKIN CONTACT: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

SHELF LIFE & STORAGE

Shelf life is 12 months in a sealed container. Store in a cool, dry place away from sunlight at temperatures below 30°C.

AVAILABLE PACKING-

STARBOND STARCRETE is available in 500 gm, 1,5,10, 20 kg drum & 50, 200 kg. Barrel.

WARRANTY

The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and our responsibility is limited to the quality of supplies with no guarantee of the results in the field, as the manufacturer has no control over site conditions or execution of work.

DISCLAIMER

The product information & application details given by the company & its agents have been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure the suitability of products meeting their requirements prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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