



## PRODUCT DESCRIPTION

**STARBOND STARCRETE PRIME+** is a Premium grade aqueous dispersion of Acrylic Co-Polymer, specifically designed for waterproofing and modified Portland cement compositions. Mortar modified with **STARBOND STARCRETE PRIME+** has improved physical strength, and superior adhesion to old concrete, masonry, brick, and many other surfaces. The dispersion contains an anionic emulsifier system and is free from film-forming aids, solvents, and plasticizers.

## BENEFITS

- Easy to use.
- Improves bond Strength.
- Increases durability under freeze/thaw cycling.
- Reduce cracking through increased mortar flexural strength.
- Increases mortar wear resistance under rubber-wheeled traffic.
- Repair mortar offers greater impact resistance.
- Due to low permeability, it can be used for waterproof sealing and lining of tanks, etc.
- Its food-grade material is Specially designed for water tanks.
- It increases the covering capacity of cement paint by 20-25%.

## USES

- Toppings, patches, and leveling course.
- Thin Sets, terrazzo, stucco, and bonding slurries.
- Repairs utilizing spray or fill coats.
- Heavy duty floors & high strength of concrete bonding.
- Repairs to pre-cast structural members.
- Architectural panels, bridge decks & high-way repairs.
- Resistance to mild chemicals, grease, alkaline, and acid.

## TECHNICAL DATASHEET

<b>Appearance</b>	Free Flowing liquid
<b>Color</b>	Milky White
<b>Solubility With water</b>	Soluble
<b>Non-Volatile content</b>	40 ± 3 (ASTM D 1644-03)
<b>Specific Gravity</b>	1.00 ± .05 (ASTM D 1475-03)

<b>Compatibility with Canvas cloth</b>	Compatible
<b>pH</b>	8-10
<b>Water Resistance</b>	Excellent
<b>Flammability</b>	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 PRIME +**, Water & Cement at the ratio of 1:2:3 respectively by weight.
3. Apply a single coat and place the mortar while the coat is still wet.

### FOR USE AS A CEMENT PAINT APPLICATION

4. Mix 2-3 Kgs. of **STARCRETE PRIME+** per 50 kg of a cement bag.
5. Add a sufficient quantity of water to attain desired consistency to form a uniform mix.
6. Apply two coats of the mixed cement slurry in the interval of 3-4 hours and allow the coated surface to dry completely.

### FOR USE AS A REPAIR MORTAR OR RENDER OR FLOOR SCREED

Mix **STARCRETE PRIME +** in Dosage of 10 – 12 % 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 4-5 Liters. of water by brush, roller & spray.
2. Mix STARCRETE, Water, and Cement in the ratio of 1:2:5 by weight and Apply 2 coats in a perpendicular direction in the interval of 4-6 hours with coverage of 45-50 Sq. ft in 2 coats depending on the substrate and site conditions.
3. Protective screed is Must

## 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

## STAR SPECIALTIES POLYMERS PVT. LTD.

Survey No 52/3 & 54/6-D, Daman Industrial Estate, Village - Kadaiya, Nani Daman, Daman – 396210

Ph: 91-9712925770, [www.star-ind.com](http://www.star-ind.com), Mail: [-info@ssplchem.com](mailto:-info@ssplchem.com)

KSA

Tel. +996 12 677 7073

Email: - [ksa@star-uae.com](mailto:ksa@star-uae.com); web: - [www.star-uae.com](http://www.star-uae.com)

UAE

Tel. +971 6 5611411

Email: - [uae@star-uae.com](mailto:uae@star-uae.com) web: - [www.star-uae.com](http://www.star-uae.com)



# STARBOND

## STARCRETE PRIME +

Rev. No./SSPL-1222/02

### Product Data Sheet



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 PRIME +** 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 PRIME+** 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 / warranties 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.

## STAR SPECIALTIES POLYMERS PVT. LTD.

Survey No 52/3 & 54/6-D, Daman Industrial Estate, Village - Kadaiya, Nani Daman, Daman – 396210

Ph: 91-9712925770, [www.star-ind.com](http://www.star-ind.com), Mail: [-info@ssplchem.com](mailto:-info@ssplchem.com)

**KSA**

Tel. +996 12 677 7073

Email: - [ksa@star-uae.com](mailto:ksa@star-uae.com); web: - [www.star-uae.com](http://www.star-uae.com)

**UAE**

Tel. +971 6 5611411

Email: - [uae@star-uae.com](mailto:uae@star-uae.com) web: - [www.star-uae.com](http://www.star-uae.com)