



## Product Data Sheet

### PRODUCT DESCRIPTION

**STARBOND STARCRETE ACR 30** is an aqueous dispersion of Acrylic Co-Polymer, specifically designed for modified Portland cement compositions. Mortar modified with **ACR 30** 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.

### BENIFITS

- 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.

### 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 DATA SHEET

|                              |                     |
|------------------------------|---------------------|
| <b>Appearance</b>            | Free Flowing liquid |
| <b>Colour</b>                | Milky White         |
| <b>Solubility With water</b> | Soluble             |
| <b>Non-Volatile content</b>  | 28 ± 5              |
| <b>Specific Gravity</b>      | 1.0 ± .05           |

|                                        |                               |
|----------------------------------------|-------------------------------|
| <b>Compatibility with Canvas cloth</b> | Compatible                    |
| <b>pH</b>                              | 7-9                           |
| <b>Water Resistance</b>                | Excellent                     |
| <b>Flammability</b>                    | Non-Flammable                 |
| <b>Coverage</b>                        | 28-30 sq.ft per kg for 2coats |

### METHOD OF APPLICATION

#### For use as a Bonding Slurry Coat

- Clean and wet the surface 24 hours prior to application
- Mix **ACR 30** & Cement 1:2 by volume.
- Apply single coat and place the mortar while the coat is still wet.

#### For use as a Repair Mortar or Render

Mix **ACR 30** Cement: Washed Sand in the ratio of 2:5:15. Dry mix cement and sand first and then add **ACR 30**. Mix for 3 minutes. Add water as required to attain requisite consistency of mortar.

#### For use as a Cement Grout

- Mix **ACR 30**: Water : Cement in the ratio of 1:2:3. Add **ACR 30** to water first and then mix cement to the mixture.
- Apply the slurry on the surface

#### For use in Reinforced Steel Priming

- Wet the surface prior to application
- Apply one coat of **ACR 30** mixed with cement (1:2 by volume) as a slurry to all exposed steel surfaces. Allow to dry.
- Apply 2<sup>nd</sup> coat and dry again.

#### For use as a Water proof Coating

- Prime the prepared surface with **ACR 30** admixed with 3 litre of water by brush, roller & spray.
- Apply first coat with mixture of **ACR 30**: Cement in ratio of 1:2 by weight.
- Apply top coat with same mixture as above. Covered 28-30 sq. feet for 2 coats.

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### MORTOR 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 the desired texture is a broom or sponge float finish though mortars made with **ACR 30** 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.

### HEALTH & SAFETY

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

**INHALATION:** Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift 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 unopened container. Store in a cool, dry place away from sunlight at temperatures above 30°C.

### AVAILABLE PACKING-

**ACR 30** is available in 500 grm,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 manufacturer has no control over site conditions or execution of work.

### DISCLAIMER

The product information & application details given by the company & its agents has 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 on the suitability of products meeting their requirement 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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