

PRODUCT DESCRIPTION

STARBOND STARCRETE ACR 30 ECO is an aqueous dispersion of Acrylic Co-Polymer, specifically designed for modified Portland cement compositions. It can be used as Waterproofing on concrete and masonry surfaces. Mortar modified with **STARCRETE ACR 30 ECO** 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.
- UV Resistant
- 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.
- Waterproofing of building terrace, toilet sunken portion, basements, Water tanks, Swimming pools.
- 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

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|-------------------|---------------------|
| Appearance | Free Flowing liquid |
| Color | Milky White |

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|--|------------------------------|
| Solubility With water | Soluble |
| Solid Content (%) | 25 ± 3 (ASTM D 1644-03) |
| Specific Gravity | 1.00 ± 0.05 (ASTM D 1475-03) |
| Compatibility with cement and Admixture | Compatible |
| Compatibility with Canvas cloth | Compatible |
| pH | 8-10 |
| Water Resistance | Excellent |
| Flammability | Non-Flammable |

METHOD OF APPLICATION

- **SURFACE PREPARATION:** All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, laitance, and all traces of mould release oils and curing compounds. All areas should be pre-wetted to reduce moisture loss. Do not place the product on standing water.
- **MIXING:** Small quantities may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. Add the appropriate amount of **STARCRETE ACR 30 ECO** for the batch size and then add the dry material. Mix a minimum of 3 minutes. The mixed product should be quickly transported to the repair area and placed immediately.
- **BONDING:** For bonding toppings with this product, it is strongly recommended to use a slurry coat rather than using this product as a primer by itself. After the surface has been prepared, prime all areas with a slurry coat before the topping is applied. Follow the Application and placing instructions listed below. Place the topping on the slurry coat before it dries out.
- **PLACEMENT:** Discharge material from mixer and place onto the floor.
- **APPLICATION:**
 1. **For use as a bonding slurry coat**
 - Clean and wet the surface 24 hours prior to application.
 - Mix STARCRETE ACR 30 ECO & Cement at the ratio of 1:1 by

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weight.

- Apply a single coat and place the mortar while the coat is still wet.

2. Patching, Repair Mortar & Render Application

For application on Steel substrate, the substrate should be Treated with Suitable Anti-corrosive treatment prior to application.

For Application on Concrete Substrate, the substrate should be Primed with Cement Slurry Mixed with **STARCRETE ACR 30 ECO** in above ratio.

Mix **STARCRETE ACR 30 ECO** in Dosage of 15 – 20 % By weight of total Cement Quantity. Add water as required to attain the requisite consistency

Topping Application

For patching and repairing 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 **SBR 30** can be steel troweled. Do not add additional water to the surface during the finishing operation.

FOR USE AS A WATERPROOF COATING

- Prime the prepared surface with STARCRETE ACR 30 ECO admixed with 2 liters of water by brush, roller & spray.
- Apply two coats of STARCRETE ACR 30 ECO and Cement in the ratio of 1:2 by weight in a perpendicular direction in the interval of 4-6 hours with coverage of 20-25 Sq. ft in 2 coats depending on the substrate and site conditions.
- 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 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 ACR 30 ECO** 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 of 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.

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STARBOND

STARCRETE ACR 30 ECO

Rev. No./SSPL-1222/02

Product Data Sheet



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 ACR 30 ECO 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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