

PRODUCT DESCRIPTION

STARBOND SUPERLATEX 50 is an SBR latex-based bonding agent designed as an integral adhesive for slurry bond coats, Renders, and Bonding Mortars and concrete to improve bond strength and chemical resistance. It is ideal for producing high abrasion resistant floors, for use in internal renderings, flooring screeds, and patch repairs. When dry the finished mortars or concrete shows vastly improved resistance to water. It can be used where improvements in the physical properties of Portland cement systems are required.

BENEFITS

- Improves bond Strengths and to hardened concrete
- Increases durability under freeze/thaw cycling.
- Resistant to deicing salts.
- Reduce cracking through increased mortar flexural strength.
- Increases mortar wear resistance under rubber wheeled traffic.
- Increases mortar tensile strength.
- Multi-Purpose and Economical Product

USES

- Bonding agent for old to new concrete.
- Toppings, patches and leveling course,
- Thin Sets, terrazzo, stucco, and bonding slurries.
- General reconstruction work and latex modified overlays.
- parking decks.

TECHNICAL DATASHEET

Appearance	Free Flowing liquid
Color	Milky White
Solubility With water	Soluble
Solid Content (%)	46 ± 2 (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
Chemical Resistance to mild acids alkalis, sulfates	Resists
Freeze-Thaw Resistance	Excellent

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 **SUPERLATEX 50** 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. Bonding Slurry Application:

- Mix **SUPERLATEX 50:** Water: Cement in the ratio of 1:2:3 by weight.
- After the surface has been prepared, 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 **SUPERLATEX 50** in the

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, Mail: -info@ssplchem.com

KSA

Tel. +996 12 677 7073

Email: - ksa@star-uae.com; web: - www.star-uae.com

UAE

Tel. +971 6 5611411

Email: - uae@star-uae.com web: - www.star-uae.com



above ratio.

Suggested Mix design for Patching and Repair Mortar and Render Application

STARBOND SUPERLATEX 50	1 Kg.
Water	3 Liters.
Type I Portland	15 Kgs.
Sand	45 Kgs.

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 **SUPERLATEX 50** can be steel troweled. Do not add additional water to the surface during the finishing operation.

3. Waterproofing Coat Application:

- Prime the Prepared surface with SUPERLATEX 50 Diluted with 4 liters of water by brush, roller, or Spray
- Mix **SUPERLATEX 50**: Water: Cement in the ratio of 1:4:7 by weight.
- Apply 2 coats in a perpendicular direction in intervals of 4-6 hours with total coverage of 75- 80 Sq. ft depending on the substrate and site conditions
- Protective screed is a must.

STANDARDS

Conforms to ASTM C 631-70(1975), ASTM C 932-80, ANSI A 136.1(1976)

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 a 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.

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

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SUPERLATEX 50

Rev. No./SSPL-1222/02

Product Data Sheet



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.

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