

PRODUCT DESCRIPTION

It is a 100% reactive system and solvent free, two-component epoxy system consisting of an epoxy resin and amine type hardener. It is designed as a moisture insensitive adhesive and binder for numerous applications needs and available in low viscosity and high modulus.

BENEFITS

- High compressive and tensile strength
- Highly resistant to aggressive chemicals
- Corrosion and abrasion resistant
- Can withstand operating temperature from -30°C to 100°C (dry heat)
- Universal adhesive for bonding together concrete, wood, ceramic, and steel materials
- Bond fresh concrete topping to hardened concrete slab waterproof.
- Supplied pre-weighed quantities.
- May be extended with sand or aggregate for thick applications and mortar repairs.

USES

- Sealing porous concrete.
- Coating and Priming.
- Binder in epoxy mortars.
- General Adhesive.
- Crack Injection.
- Anchoring.
- Joint repair material.

TECHNICAL DATA SHEET

Gel Time (ASTM C881-90)	40 Minutes
Bond Strength (14 Days) (ASTM C882)	>2000 psi
Water Absorption (ASTM D570)	< 0.15%
Shore D Hardness (durometer) (ASTM D2240)	70 – 75
Compressive Modulus of Elasticity (ASTM D638)	1.3 X 10 ⁶ psi
Coverage	45-50 sq. ft/kg

METHOD OF APPLICATION

SURFACE PREPARATION

Surface must be structurally sound, clean, and free from dust, oil, grease, curing compounds, concrete laitance, and other loose debris. Surface should be rough. New concrete must be 28 days old and possess an open, porous and all surface treated curing agents and sealers should remove. Recommended methods for preparing concrete are by sandblasting, water jet, acid etching, grinding, wire brushing, or by pneumatic chipping tools. All free-standing water must be removed, and substrate allowed to completely dry. In general, the surface preparation and application methods recommended in our method statement should be followed.

MIXING

All materials should be in the temperature range between 16°C to 32°C. Pour the Part-B (Hardener) to Part-A, mix for 2-3 minutes using a drill fitted with jiffy mixer.

PRIMING

For priming use lint free roller, brush, airless spray, or by squeegee at the rate of 9 - 11 sq.m. Per liter. Primer should be tacky before applying epoxy mortar. Do not apply coating or epoxy mortar over hardened primer.

SEALING

Sealing pores and non-pores areas, use LV applied by roller, airless spray, or squeegee at the rate of 9 -11 square meters per liter. A second application may be needed for extremely porous areas.

STEEL PRIMING

Completely to dry prior to application of topcoat.

CLEANING

For cleaning tools and equipment, use Star Solvent.

TO BE AVOIDED

- Do not apply **STARFLOOR STARPRIME 300** on unprepared surfaces.
- Do not apply over hardened primer or old epoxy without proper surface preparation.
- Do not blend with solvents unless otherwise recommended by us in writing.

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



STARFLOOR®

STARPRIME 300

Rev. No./SSPL-1222/02

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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 till all traces have been removed. Seek medical attention if required.

STORAGE & SHELF LIFE

Shelf life is 12 months in sealed container.

PACKING

STARPRIME 300 is available in 6 kg.

CLEAN UP

Clean tools and equipment with 6 solvent.

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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