

## PRODUCT DESCRIPTION

**STARFIX EPMP** is a two-component epoxy system with 100% reactive and solvent free, basically with epoxy resin and amine type hardener for bonding. It is designed as a moisture insensitive adhesive and binder for numerous applications needs and available in low viscosity and high modulus. Base component comprises clear resin and hardener.

## 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

<b>Gel Time</b>	30 - 45 Minutes (ASTM C881-90)
<b>Bond Strength (14 Days)</b>	>2000 psi (ASTM C882)
<b>Water Absorption</b>	< 0.10% (ASTM D570)
<b>Initial Hardness</b>	24 hrs
<b>Final cure</b>	7 days
<b>Compressive Strength</b>	50 MPa

## METHOD OF APPLICATION

Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application is as follows

### 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 fairly 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.

For bonding purpose pour the Part-B (Hardener) to Part-A, mix for 2-3 minutes using a drill fitted with jiffy mixer.

For as grouting purpose pour the Part-b to Part-a, Mix for 2-3 minutes and pour the required aggregate for the grout purpose and mix for 2-3 minutes using a drill fitted with jiffy mixer.

### APPLICATION

**STARFIX EPMP** should be applied as soon as the mixing completed. Application shall be proceeded with brush, roller or spray to the prepared surface. The new concrete should be applied to the coated substrate after the **STARFIX EPMP** before tacky-free. If the **STARFIX EPMP** becomes tacky free, then second coat is must. After the application of **STARFIX EPMP** immediately any required steel reinforcement or formwork shall be erected and fixed in place.

## CLEANING & DISPOSAL

For cleaning tools and equipment, use Star Solvent.

## 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)



### 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

The pails and drums must be stored in a covered area, away from direct sunlight, UV and other sources of heat.

The shelf life of the product is up to 12 months if stored as per recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

### PACKING

STARPROOF EPMP is available in 1 Kg kit.

### 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.

## 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)