



Product Data Sheet

	<p>STARBOND EPP-100SF</p> <p>Two Component, Versatile, Solvent Free, Epoxy based Primer and Sealer</p> <p>Uses:</p> <ul style="list-style-type: none"> • Universal primer for Epoxy Flooring and Sealant Applications. • Sealing and Hardening of Porous Concrete • Penetrating Sealer • Priming of joint edges to receive urethane, epoxy, polyurea-based sealants
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Product Description

STARBOND EPP-100SF is a two component versatile epoxy resin based primer for the **STARBOND** Epoxy Product range. Purpose is the application on concrete and cementitious substrates to seal the surface and enhance bonding properties with various materials. This product can be used as a seal coat to harden cementitious surfaces and prevent dusting or as Surface Preparation = Priming.

Advantages

- Application by brush, roller or spray equipment
- Versatile applications – Primer for various coatings and sealants.
- Universal adhesive for bonding together concrete, wood, ceramic and steel materials
- Designed to seal and harden highly porous surfaces
- Perfect for use with epoxy, urethane screeds and self leveling products.
- Very commercial attractive solution, suitable for use in MENA region climatic conditions
- May be mixed with sand or aggregate for thick applications and mortar repairs.
- Solvent Free

Standard Compliance

- ASTM D 4258
- ASTM D 4259

Technical Properties

STARBOND EPP-100SF	Typical Values @ Laboratory Conditions
Physical Appearance	Free Flowing Liquid
Available colors	Standard = Clear. Multiple other colors upon request.
Pot Life, min	30 – 40
Solid Content, %	100
Application Thickness, micron	75 - 150
Compressive Strength, mPa (BS 6319)	> 50
Flexural Strength, mPa (BS 6319)	> 35
Tensile Strength, mPa (BS 6319)	> 15
Bond Strength (14 Days), mPa (BS 6319)	> 2
Shore D Hardness (durometer) (ASTM D2240)	70 – 75



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Application

Surface Preparation

The surface should be clean, dry, sound and free from oil, grease and wax contamination. Cement laitance, loose particles, mould release agent or curing membranes must be removed.

Fill surfaces irregularities with a suitable repair product.

Concrete substrates should be at least 28 days old, and the moisture content should be 5% or below.

Application

Mix **STARBOND EPP-100SF** as supplied. Add the entire content of hardener and resin and mix thoroughly for about 2 minutes.

Once mixed, apply **STARBOND EPP-100SF** immediately in a thin continuous film using stiff brushes, spray equipment or rollers. Over application to be avoided – Puddles, non absorbed material can have an effect on Bonding strength.

Apply the second coat perpendicular to the first coat at the same rate above and allow it to cure.

Allow **STARBOND EPP-100SF** to become tack-free before applying epoxy coating (unless otherwise specified) but well within the open time specified for the given temperature.

Cleaning

Remove **STARBOND EPP-100SF** product from tools, equipment, and mixers with STAR Solvent before the initial set. Cured material can only be removed mechanically.

Packing & Coverage

Product	Pack Size	Theoretical Coverage
STARBOND EPP-100SF	15 Kg kit	9 - 11 m ² per Liter/Coat

(Custom Packing is available based on request.)

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage

The original sealed container of **STARBOND EPP-100SF** and has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Limitations:

- **STARBOND EPP-100SF** should not be applied at ambient temperatures below 5°C and dropping.
- **STARBOND EPP-100SF** should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- If any doubts arise concerning application or substrate conditions, consult the STAR Technical Department.

Health & Safety

STARBOND EPP-100SF contains an epoxy resins that can be harmful to the skin. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. The use of barrier cream provides additional skin protection. In case of skin contact, rinse with plenty of clean water, cleanse with soap and water. In case of contact with the eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

For complete Health and Safety instructions and information, please refer to STAR MSDS.



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Additional Information

STAR manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product sections:

1. **Waterproofing Products**
2. **Sealants, Grouts, and Joint Fillers**
3. **Adhesives**
4. **HVAC – Adhesives, Coatings & Sealants**
5. **Flooring Products**
6. **Industrial Adhesives (i.e. Paper Industry)**
7. **Accessories**

STAR Technology provides various technical information such as detailed method statements, specification clauses, application manuals and technical support both in contractors and consultant's offices as well as construction sites.

For further information on these products and systems kindly visit our website or contact your local STAR representative.