

PRODUCT DATA SHEET

Sikalastic®-825 EP

Fast-drying, High performance epoxy primer

DESCRIPTION

Sikalastic®-825 EP is a two component solvent free primer based upon epoxy resins for use with appropriate resin overlays and coatings to improve their adhesion to existing concrete substrate. Sikalastic®-825 EP is non-tainting and can be used with safety in food processing areas. Suitable as a primer for our PU/PUA based Liquid Applied Membranes, especially where fast turnaround time is required.

USES

Sikalastic®-825 EP is used to bond resin coatings to concrete and other materials. Since it is non staining it can also be used with safety in food processing areas. Sikalastic®-825 EP is moisture tolerant and can be applied to the substrate with upto 6% moisture.

Typical substrates it is normally used are:

- Concrete
- Cementitious systems
- Timber
- Granolithic screeds
- Masonry paving
- Mild steel (With fine sand broadcast)

CHARACTERISTICS / ADVANTAGES

- Creates tenacious bond
- Very good mechanical properties
- Water resistant – suitable for use on damp substrates up to 6% moisture
- Multipurpose - Excellent adhesion to many substrates

PRODUCT INFORMATION

Chemical base	Solvent free epoxy resins
Packaging	5 kg
Shelf life	12 months from date of production when stored as per the storage conditions mentioned below
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.
Density	1.09 ± 0.05 at 25° C

TECHNICAL INFORMATION

Compressive strength	≈70 MPa	1 day	(ASTM C 579)
	≈75 MPa	3 days	
	≈ 80 MPa	7 day	
Flexural strength	≥ 35 MPa at 7 days		(ASTM C-580-02)
Tensile strength	≥ 22 MPa at 7 days		(BS:6319 pt7)

APPLICATION INFORMATION

Mixing ratio	100(Base): 35 (Hardener) by weight
Consumption	Coverage rates will vary according to the nature of the substrate. 1 Kg Sikalastic®-825 EP shall cover approximately 4 – 6 m² depending upon the porosity of the substrate.
Ambient air temperature	+10 °C min. / +40 °C max.
Substrate temperature	+10 °C min. / +40 °C max.
Pot life	20 minutes at 25°C
Waiting time / Overcoating	Sikalastic®-825 EP should be overlaid while it remains tacky or allowed to cure as per subsequent coating requirement

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

On existing substrates, laitance or concrete contaminated with oils, greases etc. should be completely removed by mechanical means to guarantee adhesion of the coating or overlay. Finally ensure the surface is dust free, using an industrial vacuum. Specialist finishes should not be applied to concrete which contains more than 6% moisture by mass. The substrates can be considered sufficiently dry when the relative humidity at the surface falls to 75%. Uneven concrete should be levelled to produce a smooth, flat surface. For heavy wear situations a suitable repair mortar from our range should be used. Prior to application, Sikalastic®-825 EP should be stored under cover in dry conditions, and protected from extremes of temperature which will cause inconsistent workability and cure times of the mixed material. Application in cold conditions should be halted if the ambient temperature is likely to fall below 10°C. Consideration should be given to the substrate or base slab as it may be considerably different from the surrounding air temperature. If temperatures exceed 30°C during application, working

times will be reduced significantly. Correct conditioning of the constituents is essential.

MIXING

Sikalastic®-825 EP is a two component product consisting of a Base and Hardener. The components are preweighed and should not be split or divided. Mixing of the Base and Hardener should continue with a mechanical stirrer for at least 1-2 minutes to produce a fully blended uniform material.

APPLICATION

Sikalastic®-825 EP is applied by brush or roller and worked well into the substrate. Apply according to the stated coverage.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its

products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika India Pvt. Ltd.
620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
West Bengal, India

Contact:
Phone: +91 33 2447 2448
Fax: +91 33 2397 8688
info.india@in.sika.com
www.sika.in



Product Data Sheet
Sikalastic®-825 EP
November 2025, Version 01.01
020706401000245405

Sikalastic-825EP-en-IN-(11-2025)-1-1.pdf