

SFL EP PRIMER

Product Information

Product description: SFL EP Primer is a solvent-free surface tolerant 2-component epoxy primer for concrete and cementitious substrates. It is used to prepare surfaces prior to application of coating materials manufactured by Seal For Life Industries like Easy-Qote®, Sealtaq® and Stopaq® materials. It acts as a water vapour barrier to inhibit moisture damage to consecutive coating layers.

Features:

- 100% solids epoxy
- Excellent adhesion on dry and damp concrete and cementitious substrates
- Medium viscosity product, beneficial for penetration and fixation
- Resistant to water, waste water, salt solutions, dilute acids, bases, crude oil and fuels.

Benefits:

- Ready to use packaging, cans with 2 integrated compartments for each part
- Easy application and fast curing

Application examples

Concrete sealing: Concrete primer for application of Easy-Qote®, Sealtaq® and Stopaq® materials.

Product properties and consumption

Mix ratio	A:B = 2:1 by weight, prepacked in can
Colour	Transparent
Density	Approx. 1,10 kg/l [9.2 lb/gal]
VOC content	Ready-for-use product ≤ 115 g/l [0.95 lb/gal] Compliant with 2004/42/EC - IIA/j: 500g/l (2010).
Flash point	> 93 °C [200 °F]
Hardness	80 shore D (ASTM D2240)
Glass transition temp.	> 50 °C [122 °F]
Dry film thickness	360 – 450 µm [9.2 – 11.5 mils]
Coverage rate	400 – 500 g/m ² [1.31 – 1.64 oz/sq.ft]
Pot life	20 min at 8 °C [46 °F], 15 min. at 23°C [73 °F]

General order information

Product	SFL EP Primer is available in cans
Art. Nr.: 12650-00225	Product dimensions and contents: Set 2,5 kg [5.5 lbs], containing 1,67 kg part A [3.68 lbs] and 0,83 kg part B [1.83 lbs]
Handling	Handle with care. Keep cans upright. See Safety Data Sheet for further details.
Storage	Store indoor, clean and dry, away from direct sunlight in a well-ventilated and cool place between 15 - 25 °C [59 - 77 °F]. Storage below 10 °C [50 °F] can cause crystallisation. See Safety Data Sheet for further details. Shelf life 12 months in original and unopened packaging.

Application instruction – Job preparation

OSHE measures	See Safety Data Sheet for appropriate personal safety measures, personal protective gear, application conditions, etc.
Tools, equipment and auxiliaries	- Nylon or polyester rollers, or squeegee - Agitator
Work area and substrate	The substrate must be dry, clean and protected against negative weather influences.
Product conditions	SFL EP Primer must be uniform in consistency which can be obtained by mixing for 3 minutes. The temperature should be 15 – 25 °C [59 - 77 °F].

Application instruction – Surface preparation

General	The area to be coated must be clean, dry and free from cement laitance, oil, grease, dust and other foreign matter that could interfere with adhesion of the coating.
Water and moisture	The moisture content of cured cementitious and concrete surfaces shall not exceed 6%. Leaks and water infiltration must be eliminated, standing water must be removed. Excessive cracks, voids and exposed aggregate must be repaired with a suitable high-strength, fast curing, non-shrinking product.
Surface preparation	The surface should be prepared by shot blasting to Concrete Surface Profile grade CSP 4 – 6 (IRCI) to remove cement laitance. Surfaces free from concrete laitance can be cleaned by water jetting or brooming.
Substrate temperature	The substrate temperature must be least 3 °C [5 °F] above dew point and should be within 8 - 25 °C [46 - 77 °F]. The temperature should not rise while the product cures.

Application instruction – Brief version

Specific application instructions are available for further details	
General	After mixing, the product should be applied by squeegee or roller. Apply in one uniform layer to thoroughly wet and seal the substrate.
Visual inspection	The applied coating should be free from voids, sags, blisters, striations and contaminants.
Curing conditions	Temperature 8 - 25 °C [46 - 77 °F] Relative humidity: - at 8 °C [46 °F] max. 75% - at 23 °C [73 °F] max. 85% Minimum curing times prior to application of consecutive Seal For Life materials: - at 8 °C [46 °F] 6 hours - at 15 °C [59 °F] 3 hours - at 25 °C [77 °F] 1 hour

Information

Documentation	Extensive information is available on our web-site. Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending email to info@sealforlife.com
Certified staff	Application of the described coating system should be carried out by certified personnel.