



Sikafloor® 157

Rapid Epoxy Primer

Technical Data Sheet

DESCRIPTION

Sikafloor 157 is a rapid curing two component solvent free, low viscosity epoxy primer.

USES

- * Primer and adhesion promoter for all **Sikafloor** epoxy, polyurethane and PU epoxy floors.
- * Priming indoor and outdoor areas.
- * Binder for epoxy mortar screeds.
- * Bonding Sika epoxy mortars to various substrates.
- * Scraping mortar.
- * Binder for broadcast screeds.

ADVANTAGES

- * Low viscosity.
- * Good penetration.
- * Easy application.
- * Solvent free.
- * Short waiting times at low temperatures.
- * Excellent bond strength.
- * User friendly.
- * Safe to use.
- * Can allow priming and floor laying in one day.

FLOOR COATING SYSTEM:

Primer:	1 - 2 x Sikafloor 157
Scraping mortar:	Sikafloor 157 + 0.5-1% by wt of Extender T .
Mortar screed:	Sikafloor 157 + quartz sand at a ratio of 1:7 to 1:10 by wt.
Material consumption:	Approx 0.3 - 0.5 kg/m ² per coat.

Technical Data (typical)

Colour:	Yellowish - transparent	
Density (SG):	Approx 1.1 kg/litre unfilled 2.1 - 2.2 kg/litre as screed	
Volume solids:	Approx 100%	
Application temperatures & humidity conditions:	+10°C min, +20°C max (Substrate and ambient) RH 85% max	
Substrate M.C. & RH:	≤4% by Wt or ≤75% RH	
Compressive strength:	Resin 70 N/mm ² Mortar 90 N/mm ²	
Flexural strength:	Resin 75 N/mm ² Mortar 30 N/mm ²	
Additional application information:	+10°C	+20°C
Pot life:	25 min	12 min
Waiting time between overcoating:	min 12 hrs 4 hrs max 2 days 1 day	
	Ensure tack free before overcoating.	
Final drying times:	Foot traffic: 12 hrs 6 hrs Lightly serviceable: 3 days 2 days Fully serviceable: 7 days 5 days	

All above values are approximate.

SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm²) . Minimum pull off strength 1.5 N/mm².

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**[®], **Sikafloor**[®] or **SikaGard**[®] range of materials.

MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. For mortar screed, add quartz sand gradually to mixed components A & B and mix thoroughly until a moist mix is obtained.

APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**[®] **EpoCem**[®] may be applied as a D.P.M. system

- i) **Primer:** Apply by brush, roller or squeegee and scrub well into substrate. When maximum waiting times are expected to be exceeded lightly broadcast with kiln dried quartz sand (0.4 - 0.7 mm) @ a maximum of 1.0 kg/m². Remove excess before application of second coat.
- ii) **Mortar screed:** Apply screed wet on wet to tacky **Sikafloor 157** mortar screed primer and spread with rake.

IMPORTANT CONSIDERATIONS

- * Do not apply **Sikafloor 157** on substrates in which significant vapour pressure may occur.
- * **Thinner C** is flammable. NO NAKED FLAMES.
- * Always ensure good ventilation when using **Sikafloor 157** in a confined space.
- * Freshly applied **Sikafloor 157** should be protected from damp, condensation and water for at least 24 hours.
- * Avoid puddles on surface.
- * **Sikafloor 157** mortar screed is not suitable for frequent or permanent contact with water unless sealed
- * Practical trials should be carried out for mortar screeds to assess suitable aggregate granulometry.
- * Do not use as a final seal coat.

CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

PACKAGING

Refer to latest price list

CONSUMPTION

Approximately 0.3 - 0.5 kg/m² as primer (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

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

Please consult our Technical Sales Department for further information

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