

PRODUCT DATA SHEET

Sikafloor[®]-09 Primer

Water based primer for levelling mortars and screed (Formerly LANKO 162 FLOW PRIME)

DESCRIPTION

Sikafloor[®]-09 Primer is a 1-part, water-based, synthetic resin concentrate which is diluted with water and used to prime porous cementitious substrates. It is applied before using cementitious mortars and levelling compounds to mainly reduce absorbency and improve adhesion with the substrate. It also helps in reducing the bubble effect or pinholes and makes substrates dust free for superior bond between substrate and mortar.

USES

As a primer for:

- Reducing absorbency of substrate
- Improving adhesion on smooth and sound substrates
- Protecting the substrate against moisture from cementitious levelling compounds

CHARACTERISTICS / ADVANTAGES

- Low consumption / high coverage
- Short waiting times
- Reduces substrate dust
- Compatible with defined substrates
- Very low emissions
- Applied by brush, squeegee, roller or spray
- Can be diluted with water
- Solvent-free
- Reduces the pin holes

PRODUCT INFORMATION

Chemical base	Synthetic dispersion
Packaging	5 kg container
Appearance / Colour	Liquid / White
Shelf life	12 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +30 °C. Material that has been mixed with water must be used within a week.
Density	~1.05 kg/L (+27 °C) (EN ISO 2811-1)
pH-value	8–9

TECHNICAL INFORMATION

Tensile adhesion strength	~1 N/mm ² (EN 13892-8)
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APPLICATION INFORMATION

Mixing ratio	Sikafloor®-09 Primer : Water = 1 : 3 (by weight or volume)
Consumption	~0.05 kg/m ² per coat (undiluted) ~0.200 kg/m ² per coat (diluted) This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variation in level or wastage, etc.
Ambient air temperature	+10 °C min. / +35 °C max.
Relative air humidity	75 % max.
Dew point	Beware of condensation. The substrate and uncured floor must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the floor finish. Low temperatures and high humidity conditions increase the probability of blooming.
Substrate temperature	+10 °C min. / +35 °C max.
Waiting time / Overcoating	~15 minutes (+27 °C) Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. Reference must be made to the individual Product Data Sheet of the mortar used.

SYSTEM INFORMATION

System structure	Layer	Product
	Primer	1–2 × Sikafloor®-09 Primer
	Mortar or screed	Sikafloor®-475 Level or suitable overlay mortars

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.

FURTHER DOCUMENTS

- Product Data Sheet of overcoating mortar
- Sika Method Statement of overcoating mortar

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

IMPORTANT

Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

EQUIPMENT

Mixing

- Electric single paddle mixer (300 to 400 rpm)

Application

- Squeegee
- Short pile roller
- Brush

SUBSTRATE QUALITY

- Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- Substrates can be damp but free of standing water, clean, and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

SUBSTRATE PREPARATION

- Remove weak cementitious substrates.
- Prepare cementitious substrates mechanically using abrasive blast cleaning or planing / scarifying equipment to remove cement laitance and achieve an open textured surface gripping surface profile suitable for the product thickness.
- Remove high spots by grinding.

- Use industrial vacuuming equipment or brush to remove all dust, loose and friable material from the application surface before applying the Product.
- Use products from the Sikafloor®, Sikadur® and Sikagard® range of materials to level the surface or fill cracks, blow holes and voids.

MIXING

1. Shake or stir container before dilution.
2. Pour into a clean container and mix in the appropriate amount of water.

APPLICATION

IMPORTANT

Do not apply on substrates with rising moisture.

1. Apply diluted primer onto the prepared substrate by squeegee, roller, paint brush, or suitable spraying equipment. Ensure a continuous, pore free coat covers the substrate.
2. (Optional) Apply second coat of primer on very absorbent substrates.

Note: Avoid puddles on the surface during application.

Note: Confirm waiting /overcoating time has been achieved before applying subsequent products.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

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.

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