

PRODUCT DATA SHEET

Sikafloor®-10 Pronto N

2-part primer based on reactive acrylic resin

PRODUCT DESCRIPTION

Sikafloor®-10 Pronto N is a 2-part, medium viscosity, methacrylic resin primer. It ensures good adhesion for Sikafloor® Pronto Modular Systems on absorbent and non-absorbent substrates.

USES

Sikafloor®-10 Pronto N may only be used by experienced professionals.

The Product can be used on the following substrates:

- Concrete
- Cementitious screeds
- Asphalt
- Glazed ceramic tiles
- Stainless steel
- Galvanised steel
- Mild steel

CHARACTERISTICS / ADVANTAGES

- Practical and safe
- Improved adhesion on very critical substrates
- Very fast curing even at low temperatures
- Solvent free

APPROVALS / STANDARDS

- Synthetic resin screed material according to EN 13813:2002
- Coating for surface protection of concrete according to EN 1504-2:2004

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins	
Packaging	Container Part A	25 kg
	Drum Part A	200 kg
	Container Part A	Sikafloor® Pronto Hardener: 1.0 kg packs (in 0.1 kg bags)
Appearance / Colour	Part A	yellowish, transparent
	Part B	white powder
Shelf Life	Part A	12 months
	Part B	6 months
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging. Refer to current Safety Data Sheet for information on safe handling and storage.	
Density	Part A	~0.99 kg/l (at +23 °C) (EN ISO 2811-1)
Solid content by mass	~100 %	
Solid content by volume	~100 %	

APPLICATION INFORMATION

Mixing Ratio	The amount of Hardener required depends on the substrate temperature:	
	Substrate temperature	% by weight (Sikafloor® Pronto Hardener)
	-10 °C	4.5 %
	0 °C	3.0 %
	+10 °C	2.0 %
	+20 °C	1.5 %
+30 °C	1.0 %	
	The hardener powder can also be supplied by Sika under the product name "Perkadox GB 50 X"	
Consumption	0.30–0.40 kg/m ² Note: These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.	
Product Temperature	Minimum	-10 °C
	Maximum	+30 °C
Ambient Air Temperature	Minimum	-10 °C
	Maximum	+30 °C
Relative Air Humidity	80 % r.h. 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.	
Substrate Temperature	Minimum	-10 °C
	Maximum	+30 °C
Substrate Moisture Content	≤ 4 % parts by weight moisture content.	

Test method: Sika-Tramex or CM.
No rising moisture according to ASTM (Polyethylene-Sheet).

Pot Life	Temperature	Time
	+0 °C	~32-26 minutes
	+10 °C	~18-22 minutes
	+20 °C	~12-14 minutes
	+30 °C	~10-12 minutes

Curing Time	Substrate temperature	Minimum
	+0 °C	50-60 minutes
	+10 °C	45-55 minutes
	+20 °C	35-45 minutes
	+30 °C	30-40 minutes

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity

VALUE BASE

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

Substrate quality & Preparation

Please refer to Sika Information Manual: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".

Application instructions

Please refer to Sika Information Manual: "MIXING & APPLICATION OF FLOORING SYSTEMS".

LIMITATIONS

- Do not use Sikafloor®-10 Pronto N on substrates in which significant vapour pressure may occur.
- Freshly applied Sikafloor®-10 Pronto N must be protected from damp, condensation and water for at least 1 hour.
- Use spark proof mixing equipment for internal applications.
- Always ensure good ventilation when using Sikafloor®-10 Pronto N in a confined space.
- In order to ensure optimum curing during internal applications the air must be exchanged at least seven times per hour. During application and curing use a forced fresh air supply/exhausting of fumes with appropriate equipment (spark-free / explosion-proof).
- Systems based on reactive acrylic resins exhibit a characteristic odour during application and prior to achieving full cure, once fully cured they are taint free. All unpacked goods should be removed from the area of the works during application. Do not apply in the presence of foodstuffs. Any foodstuffs, whether packaged or not, should be completely isolated from the flooring works during the application process until the products are fully cured.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities

of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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 QUALITY / PRE-TREATMENT

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

MIXING

Mix part A thoroughly. Then add Sika®-Pronto Hardener in the correct quantity and mix for a further 1 minute. Over mixing must be avoided to minimize air entrainment. For ease of handling, units may be split (refer to Mixing Table). Always weigh out components. Mixing Tools

For indoor work, spark free mixing equipment must be used (explosion-proof)! Sikafloor®-10 Pronto N must

be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity and dew point. For external applications, apply on a falling temperature. If applied during rising temperatures "pin holing" may occur from rising air.

Priming:

Normal non-porous surfaces:

Apply one coat of Sikafloor®-10 Pronto N. Make sure that a continuous, pore free coat covers the substrate, i.e. minimum 0.4 kg/mm². If in doubt, apply another priming coat.

Absorbent surfaces:

Apply two coats wet on wet of Sikafloor®-10 Pronto N until saturation of the substrate is achieved. For waiting time before overcoating see table "Waiting Time / Overcoatability".

Apply Sikafloor®-10 Pronto N using a "non-fuzzing", short-pile nylon roller.

The freshly applied priming coat can be blinded slightly with quartz sand 0.6 - 1.2 mm, consumption approx. 0.2 - 0.5 kg/m². If the subsequent layer is Sikafloor®-32 Pronto applied as a scratch coat, lightly blinding is mandatory.

Difficult surfaces:

The application of a trial area is mandatory, when using Sikafloor®-10 Pronto N as a primer for difficult surfaces, such as tiles, asphalt, steel etc.

CLEANING OF TOOLS

Clean all tools with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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