BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-11 Pronto

2-PART PRIMER BASED ON REACTIVE ACRYLIC RESINS

PRODUCT DESCRIPTION

Sikafloor®-11 Pronto is a two part, medium-viscosity, fast curing primer based on reactive acrylic resins for the Sikafloor®-Pronto Modular System.

USES

Sikafloor®-11 Pronto may only be used by experienced professionals.

- Fast curing, medium viscosity primer to achieve pore free cementitious substrate

CHARACTERISTICS / ADVANTAGES

- Fast curing, even at low temperatures
- Solvent-free
- Part of a complete modular system

APPROVALS / STANDARDS

- Certificate of conformity , 40893 U15 , Isega Germany,October 2015
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 02 08 01 05 009 0000001 1131, certified by notified factory production control certification body 0921, certificate of conformity of the factory production control 1119, and provided with the CE marking.
- Synthetic resin screed material according to EN13813:2002, Declaration of Performance 02 08 01 05 009 0000001 1131, and provided with the CE marking

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins		
Packaging	Part A	Sikafloor®-11 Pronto	25kg containers
	Part B	Sika®-Pronto Hardener:	1.0 kg packs (in 0.1 kg bags)
Appearance / Colour	Part A	Sikafloor®-11 Pronto	transparent, liquid
	Part B	Sika®-Pronto Hardener	white, powder
Shelf Life	Part A	Sikafloor®-11 Pronto	12 months
	Parrt B	Sika®-Pronto Hardener	6 months

Storage Conditions	Stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. Sikafloor® -Pronto Hardener must be protected from heat, direct sunlight, moisture and impact.
Density	~ 0.98 kg/l (+23 °C) (DIN 51 757)
Solid content by weight	~100 %
Solid content by volume	~100 %

TECHNICAL INFORMATION

Thermal Resistance

Exposure*	Dry heat
Permanent	+50 °C
Short-term max. 2 d	+60 °C
Short-term max. 1 h	+80 °C

Short-term heat* up to +80 °C where exposure is only occasional (steam cleaning etc.)

* No simultaneous chemical and mechanical exposure and only in combination with Sikafloor®-15 / -32 / -18 Pronto as a broadcast system with approx. 3 - 4 mm thickness.

SYSTEM INFORMATION

Systems

Priming	
Primer	1 x Sikafloor®-11 Pronto for low / medium porosity concrete 2 x Sikafloor®-11 Pronto for high porosity concrete

APPLICATION INFORMATION

Mixing Ratio

The amount of hardener required to be added on 12.5 kg Sikafloor®-11Pronto is dependent on the ambient and substrate temperature.

Temperature	Sika®- Pronto Hardener (% parts by weight)
0 °C	875 g (7.0 %)
+5 °C	750 g (6.0 %)
+10 °C	500 g (4.0 %)
+20 °C	375 g (3.0 %)
+30 °C	250 g (2.0 %)

The hardener powder can also be supplied by Sika under the product name "Perkadox CH 50 X“

Consumption

Coating System	Product	Consumption
Primer	1-2 x Sikafloor®-11 Pronto	1-2 x 0.40 kg/m² per coat

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Ambient Air Temperature	0 °C min. / +30 °C max.
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	0 °C min. / +30 °C max.
Substrate Moisture Content	≤ 4 % pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-Sheet).

Pot Life

Temperature	Hardening powder % parts by weight	Time
0°C	7 %	15 minutes
+5 °C	6 %	15 minutes
+10 °C	4 %	15 minutes
+20 °C	3 %	12 minutes
+30 °C	2 %	12 minutes

The quantity of hardening powder is always related to the quantity of resin.

Curing Time

Before applying Sikafloor®-14/-15/-32 Pronto on Sikafloor®-11 Pronto allow:

Substrate Temperature	Hardening powder % parts by weight	Minimum	Maximum
0 °C	7 %	60 minutes	*
+5 °C	6 %	50 minutes	*
+10 °C	4 %	40 minutes	*
+20 °C	3 %	35 minutes	*
+30 °C	2 %	30 minutes	*

*No time limit, the Sikafloor®-Pronto materials can be applied on each other after thorough cleaning.

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

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 the hardener in the correct quantity and mix for a further 1 minute. Over mixing must be avoided to minimise air entrainment. For ease of handling, 25 kg units may be split (2 x 12.5 kg) (refer to mixing table). Always weigh out components.

Mixing Tools

For indoor work, spark free mixing equipment must be used (explosion-proof)!
Sikafloor®-11 Pronto 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, r.h. and dew point.
For external applications, apply on a falling temperature. If applied during rising temperatures “pin holing” may occur from rising air.

Priming:
Apply Sikafloor®-11 Pronto. Make sure that a continuous; pore free coat covers the substrate, i.e. minimum 0.4 kg/mm².
Sikafloor®-11 Pronto has to be applied evenly without leaving puddles by means of a paint roller or brush. If

rubber blades are used, the surface must always be rolled with a paint roller afterwards.
Matt and heavily absorbent patches must be reprimed wet in wet before hardening until the pores are closed up.
The freshly applied priming coat can be blinded lightly with quartz sand 0.6 - 1.2 mm, consumption approx. 0.2 - 0.5 kg/m². If the subsequent layer is Sikafloor-15 Pronto applied as a scratch coat, lightly blinding is mandatory.

CLEANING OF TOOLS

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

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".
Maintenance
Please refer to "Sikafloor®- CLEANING REGIME".

LIMITATIONS

- Do not use Sikafloor®-11 Pronto on substrates with rising moisture.
- Freshly applied Sikafloor®-11 Pronto 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®-11 Pronto 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 unpackaged 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 and 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 CO_2 and H_2O water vapour, which may adversely affect the finish.
- For heating use only electric powered warm air blower systems.

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.

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.

ECOLOGY, HEALTH AND SAFETY

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU Directive 2004/42/CE, the maximum allowed content of VOC (product category IIA / j type sb) is 500 g/l (Limits 2010) for the ready to use product.
The maximum content of Sikafloor®-11 Pronto is ≤ 500 g/l VOC for the ready to use product.

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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