

## 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**

	resins	
Part A	Sikafloor®-11 Pronto	25kg containers
Part B	Sika®-Pronto Hardener:	1.0 kg packs (in 0.1 kg bags)
Part A	Sikafloor®-11 Pronto	transparent, liquid
Part B	Sika®-Pronto Hardener	white, powder
Part A	Sikafloor®-11 Pronto	12 months
Parrt B	Sika®-Pronto Hardener	6 months
	Part A Part B Part A	Part B  Sika®-Pronto Hardener:  Part A  Part B  Sikafloor®-11 Pronto  Sika®-Pronto Hardener  Part A  Sikafloor®-11 Pronto

Product Data Sheet Sikafloor®-11 Pronto June 2019, Version 05.03 020813010010000020

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
	cleaning etc.)  * No simultaneous chemical	'C where exposure is only occasional (steam and mechanical exposure and only in combina-/-18 Pronto as a broadcast system with ap-

## **SYSTEM INFORMATION**

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

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®- Pı	Sika®- Pronto Hardener (% parts by weight) 875 g					
	0 °C	875 g (7.0 %)						
	+5 °C 750 g (6.0 %) +10 °C 500 g (4.0 %) +20 °C 375 g (3.0 %)		%) g %) g					
					+30 °C 250 g (2.0 %)			
					The hardener powder can also be supplied by Sika under the product nam "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.							

Product Data Sheet Sikafloor®-11 Pronto June 2019, Version 05.03 020813010010000020



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	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 parts by w		Time	
	0°C	7 %		15 minutes	
	+5 °C	6 %		15 minutes	
	<u>+10 °C</u>	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 S low:	Sikafloor®-14/-15/-3	32 Pronto on	Sikafloor®-11 Pronto al-	
	Substrate Tem- perature	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	*	
	er after thorough			an be applied on each oth-	

#### **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**

tions particularly temperature and relative humidity.

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: "EVALU-ATION AND PREPARATION OF SURFACES FOR FLOOR-ING 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 / explosionproof).
- 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<sub>2</sub> and H<sub>2</sub>O 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  $\leq$  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.



## SIKA LIMITED

Watchmead Welwyn Garden City Hertfordshire, AL7 1BQ Tel: 01707 394444 Web: www.sika.co.uk Twitter: @SikaLimited

## SIKA IRELAND LIMITED

Ballymun Industrial Estate Ballymun Dublin 11, Ireland Tel: +353 1 862 0709 Web: www.sika.ie Twitter: @Sikalreland







Product Data Sheet Sikafloor®-11 Pronto June 2019, Version 05.03 020813010010000020



Sikafloor-11Pronto-en-GB-(06-2019)-5-3.pdf