CE **BS EN 13813** **08**
BS EN 1504-2 **09** **1119 - CPD - 1131**

Sikafloor®-10 Pronto

4-part primer based on reactive acrylic resins

Construction

Product Description

Sikafloor®-10 Pronto is a 4-part, low-viscosity, fast curing primer based on reactive acrylic resins with enhanced substrate adhesion for the Sikafloor®-Pronto Modular System.

Sikafloor®-10 Pronto consists of:

Part A:	Sikafloor®-10 Pronto Resin
Part B:	Sika®-Pronto Hardener
Part C:	Sikafloor®-Pronto AP 1
Part D:	Sikafloor®-Pronto AP 2

Uses

- Fast curing, low viscosity primer with enhanced adhesion for difficult substrates, such as dense concrete, tiles, asphalt or steel

Characteristics / Advantages

- Very fast curing, even at low temperatures
- Enhanced adhesion for ceramic substrates or metal
- Solvent-free
- Part of a complete modular system

Product Data

Form

Appearance / Colours

Part A:	Sikafloor®-10 Pronto:	transparent, liquid
Part B:	Sika®-Pronto Hardener:	white, powder
Part C:	Sikafloor®-Pronto AP 1:	transparent
Part D:	Sikafloor®-Pronto AP 2:	transparent

Packaging

Part A:	Sikafloor® -10 Pronto:	21.2 kg, 200 kg
Part B:	Sika®-Pronto Hardener:	1.0 kg (in 0.1 kg bags)
Part C:	Sikafloor®-Pronto AP 1:	8.0 kg
Part D:	Sikafloor®-Pronto AP 2:	0.1 kg

Storage Conditions / Shelf Life

From date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5℃ and +30℃:

Part A:	Sikafloor®-10 Pronto:	12 months
Part B:	Sika®-Pronto Hardener:	6 months
Part C:	Sikafloor®-Pronto AP 1:	6 months
Part D	Sikafloor®-Pronto AP 2:	6 months

Sikafloor® -Pronto Hardener must be protected from heat, direct sunlight, moisture and impact.

Technical Data

Chemical Base	Reactive acrylic resins	
Density	Resin: ~ 0.99 kg/l (+23℃)	(DIN 51 757)
Solid Content	~ 100% (by volume) / ~ 100% (by weight)	

Resistance

Thermal Resistance

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

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

*No simultaneous chemical and mechanical exposure and only in combination with Sikafloor®-14 / -16 or - 15 / -17 Pronto as a broadcast system with approx. 3 - 4 mm thickness.

System Information

System Structure

Priming:

Primer: 1 x Sikafloor®-10 Pronto

Application Details

Consumption

Coating System	Product	Consumption
Primer	Sikafloor®-10 Pronto	0.40 - 0.50 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.

Substrate Quality

The substrate must be sound and of sufficient compressive strength (min. 25 N/mm²) with a minimum pull-off strength 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.

If in doubt apply a test area first.

The Sikafloor®-Pronto System is not suitable to be applied on any kind of asphalt!

Substrate Preparation

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 blowholes 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.

The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.

High spots can be removed by e.g. grinding.

Application Conditions / Limitations

Substrate Temperature	0℃ min. / +30℃ max.
Ambient Temperature	0℃ min. / +30℃ max.
Substrate Humidity	≤ 4% pbw moisture content. Test method: Sika-Tramex or CM. No rising moisture according to ASTM (Polyethylene-Sheet).
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.

Application Instructions

Mixing

For mixing guidelines please refer to the Table 1 and 2 below.

Table 1: Typical mixture of Sikafloor® -10 Pronto

Part A Sikafloor®-10 Pronto	Part C Sikafloor®-Pronto AP 1	Part D Sikafloor®-Pronto AP 2
42.4 kg (2 units)	8 kg	0.1 kg
21.2 kg (1 unit)	4 kg	0.05 kg

Table 2: The amount of Part B required is dependent on the ambient and substrate temperature. Quantities in table are for 21.2kg (1 unit) of Part A.

Sikafloor®-10 Pronto	Sika®-Pronto Hardener			
21.2 kg	0℃	+10℃	+20℃	+30℃
Sika®-Pronto Hardener	1,270 g	1,060 g	850 g	640 g
(%pbw)	(6.0%)	(5.0%)	(4.0%)	(3.0%)

Mixing Time

Mix part A thoroughly, then add Sikafloor®-Pronto AP 1 and 2 and mix for 1 minute. 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.

Sikafloor®-10 Pronto mixed with Sikafloor®-Pronto AP 1 and AP 2 should be used immediately, but max. within 2 hours of mixing.

Mixing Tools

For indoor work, spark free mixing equipment must be used (explosion-proof)!

Sikafloor®-10 Pronto must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Application Method / Tools

Prior to application, confirm substrate moisture content, r.h. and dew point.

Priming:

Normal non-porous surfaces:

Apply one coat of Sikafloor®-10 Pronto. 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 until saturation of the substrate is achieved. For waiting time before overcoating see table "Waiting Time / Overcoatability".

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

The freshly applied priming coat can be blinded lightly with quartz sand 0.7 - 1.2 mm, consumption approx. 0.2 - 0.5 kg/m². If the subsequent layer is Sikafloor®-15 Pronto, 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.

Potlife

	0℃	+10℃	+20℃	+30℃
Time (minutes)	~ 20	~ 15	~ 15	~ 10

Waiting Time / Overcoatability

Before applying Sikafloor®-10 Pronto / -14 / -15 Pronto on Sikafloor®-10 Pronto allow:

Substrate temperature	0℃	+10℃	+20℃	+30℃
Minimum (minutes)	70	50	50	35
Maximum (hours)	48	36	24	24

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

Notes on Application / Limitations

Do not use Sikafloor®-10 Pronto on substrates in which significant vapour pressure may occur.

The application of a trial area is mandatory, when using Sikafloor®-10 Pronto as a primer for asphalt surfaces.

Freshly applied Sikafloor®-10 Pronto must be protected from damp, condensation and water for at least 1 hour.

Use spark proof mixing equipment for internal applications.

Avoid puddles on the surface with the primer.

Always ensure good ventilation when using Sikafloor®-10 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 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 CO_2 and H_2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

Curing Details

Applied Product ready for use

	0℃	+10℃	+20℃	+30℃
Foot traffic (minutes)	70	50	50	35
Full cure (hours)	~ 2	~ 2	~ 2	~ 2

Times are approximate and will be affected by changing ambient conditions.

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.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notes

CE Labelling

The harmonized European Standard EN 13 813 „Screed material and floor screeds - Screed materials - Properties and requirements“ specifies requirements for screed materials for use in floor construction internally.

Structural screeds or coatings, i.e. those that contribute to the load bearing capacity of the structure, are excluded from this standard.

Resin floor systems as well as cementitious screeds fall under this specification. They have to be CE-labelled as per Annex ZA. 3, Table ZA.1.5 and 3.3 and fulfil the requirements of the given mandate of the Construction Products Directive (89/106):

CE	
Sika Deutschland GmbH Kornwestheimerstraße 103-107 70439 Stuttgart Germany	
08 [1)]	
EN 13813 SR-B1,5	
Primer/Sealer (systems as per Product Data Sheet)	
Reaction to fire:	NPD[2)]
Release of corrosive substances (**S**ynthetic **R**esin Screed):	SR
Water permeability:	NPD
Abrasion **R**esistance:	NPD[)]
Bond strength:	B 1,5
Impact **R**esistance:	NPD
Sound insulation:	NPD
Sound absorption:	NPD
Thermal resistance:	NPD
Chemical resistance:	NPD

[1)] Last two digits of the year in which the marking was affixed.

[2)] No performance determined.

Construction

CE Labelling

The harmonized European Standard EN 1504-2 „Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2 : Surface protection systems for concrete" gives specifications for products and systems used as methods for the various principles presented under EN 1504-9.

Products which fall under this specification have to be CE-labelled as per Annex ZA. 1, Tables ZA.1a to ZA 1g according to the scope and relevant clauses there indicated, and fulfil the requirements of the given mandate of the Construction Products Directive (89/106):

Here below indicated are the minimum performance requirements set by the standard. For the specific performance results of the product to the particular tests, please see the actual values above in the PDS.

CE	
1119	
Sika Deutschland GmbH Kornwestheimerstraße 103-107 70439 Stuttgart Germany	
09 [1)]	
1119–CPD–1131	
EN 1504-2	
Surface Protection Product Coating [2)]	
Abrasion resistance (Taber test):	< 3000 mg
Permeability to CO_2:	S_D > 50 m
Permeability to water vapour:	Class III
Capillary absorption and permeability to water:	w < 0.1 kg/m^2 x h^{0,5}
Resistance to severe chemical attack: [3)]	Class I
Impact resistance:	Class I
Adhesion strength by pull-off test:	≥ 2.0 N/mm²
Fire Classification: [4)]	E_{fl}

[1)] Last two digits of the year in which the marking was affixed.

[2)] Tested as a part of a system build-up with Sikafloor®-15 Pronto and Sikafloor®-17 Pronto.

[3)] Please refer to the Sikafloor® Chemical Resistance Chart.

[4)] Min. classification, please refer to the individual test certificate.

EU Regulation 2004/42

VOC - Decopaint Directive

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / **j** type **sb**) is 500 g/l (Limit 2010) for the ready to use product.

The maximum content of **Sikafloor®-10 Pronto** is < 500 g/l VOC for the ready to use product.

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