

# PRODUCT DATA SHEET

## Sikafloor®-10 Pronto

### 4-PART PRIMER BASED ON REACTIVE ACRYLIC RESINS

#### 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.

#### USES

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

- 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

#### APPROVALS / STANDARDS

- Certificate of conformity , 40893 U15 , Isega Germany, October 2015.
- Synthetic resin screed material according to EN13813:2002, Declaration of Performance 02 08 01 05008 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.
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 02 08 01 05 008 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.

#### PRODUCT INFORMATION

|                            |                         |                        |                                  |
|----------------------------|-------------------------|------------------------|----------------------------------|
| <b>Chemical Base</b>       | Reactive acrylic resins |                        |                                  |
| <b>Packaging</b>           | Part A                  | Sikafloor®-10 Pronto   | 21.2 kg containers, 200 kg drums |
|                            | Part B                  | Sika®-Pronto Hardener  | 1.0 kg packs (in 0.1 kg bags)    |
|                            | Part C                  | Sikafloor®-Pronto AP 1 | 8.0 kg metal cans                |
|                            | Part D                  | Sikafloor®-Pronto AP 2 | transparent                      |
| <b>Appearance / Colour</b> | 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                      |

## Shelf Life

From date of production:

|        |                        |           |
|--------|------------------------|-----------|
| 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.

## Storage Conditions

The packagings must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.

|                         |                            |              |
|-------------------------|----------------------------|--------------|
| Density                 | Resin: ~ 0.99 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®-14 / -16 or -15 / -17 or -32 / -18 Pronto as a broadcast system with approx. 3 - 4 mm thickness.

## SYSTEM INFORMATION

### Systems

| Priming |                          |
|---------|--------------------------|
| Primer  | 1 x Sikafloor®-10 Pronto |

## APPLICATION INFORMATION

### Mixing Ratio

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

Table 1: Typical mixture of Sikafloor® -10 Pronto

| Part A<br>Sikafloor®-10 Pronto | Part C<br>Sikafloor®-Pronto AP 1 | Part D<br>Sikafloor®-Pronto AP 2 |
|--------------------------------|----------------------------------|----------------------------------|
| 42.4 kg (2 units)              | 8 kg                             | 0.1 kg                           |
| 21.2 kg (1 unit)               | 4 kg                             | 0.05 kg                          |
| 10.6 kg (1/2 unit)             | 2 kg                             | 0.025 kg                         |

Table 2: The amount of Hardener required to be added on 21.2 kg Sikafloor®-10 Pronto is dependent on the ambient- and substrate temperature.

| Temperature | Sikafloor®-Pronto Hardener (% pbw) for the system A+B+AP1+AP2 | Sikafloor®-Pronto Hardener (% pbw) for the system A+B+AP1 |
|-------------|---------------------------------------------------------------|-----------------------------------------------------------|
| 0°C         | 1.270 g (6.0%)                                                | 1.058 g (5.0%)                                            |
| +10°C       | 1.060 g (5.0%)                                                | 848 g (4.0%)                                              |
| +20°C       | 850 g (4.0%)                                                  | 638 g (3.0%)                                              |
| +30°C       | 640 g (3.0%)                                                  | 425 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         | Sikafloor®-10 Pronto | 0.40 - 0.50 kg/m <sup>2</sup> 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 or CM.  
No rising moisture according to ASTM (Polyethylene-Sheet).

### Pot Life

| Temperature | Time         |
|-------------|--------------|
| +0°C        | ~ 20 minutes |
| +10°C       | ~ 15 minutes |
| +20°C       | ~ 15 minutes |
| +30°C       | ~ 10 minutes |

### Curing Time

Before applying Sikafloor®-10 / -14 / -15 / -32 Pronto on Sikafloor®-10 Pronto allow:

| Substrate temperature | Minimum    | Maximum  |
|-----------------------|------------|----------|
| +0°C                  | 70 minutes | 48 hours |
| +10°C                 | 50 minutes | 36 hours |
| +20°C                 | 50 minutes | 24 hours |
| +30°C                 | 35 minutes | 24 hours |

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

**Applied Product Ready for Use****Temperature****Foot traffic****Full cure**

+0°C

70 minutes

~ 2 hours

+10°C

50 minutes

~ 2 hours

+20°C

50 minutes

~ 2 hours

+30°C

35 minutes

~ 2 hours

Note: Times are approximate and will be effected by changing ambient conditions.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.
- The substrate can be damp but must be free of standing water and free of all contaminants such as oil, grease, coatings and surface treatments etc. If in doubt, apply a test area first.
- 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.

Substrates and recommended mixtures:

Concrete: part A+B+AP1

Asphalt: part A+B+AP1

Tiles: part A+B+AP1+AP2

Steel: part A+B+AP1+AP2

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### MIXING

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)! 4 Sikafloor®-10 Pronto 4/5 Sikafloor®-10 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:

*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/mm<sup>2</sup>. 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/m<sup>2</sup>. If the subsequent layer is Sikafloor®-15 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 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.

## 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

#### Please note:

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

#### Tools

Recommended Supplier of Tools:  
PPW-Polyplan-Werkzeuge GmbH, Phone: +49  
40/5597260, [www.polyplan.com](http://www.polyplan.com).

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

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.

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

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.

## 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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