BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-10 Pronto N

2-part medium viscosity primer based on reactive acrylic resin

DESCRIPTION

Sikafloor®-10 Pronto N is a 2-part universal, medium viscosity, solvent-free methacrylic resin product with enhanced substrate adhesion for the Sikafloor® Pronto Modular Systems for absorbent and non-absorbent substrates.

USES

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

The Product is used on the following substrates:
- Concrete
- Cementitious screeds
- Specific types of asphalt, contact Sika Technical Services for further information
- Glazed ceramic tiles
- Stainless steel
- Galvanised steel
- Mild steel

Please note:
- The Product may only be used by experienced professionals.
- The Product is not suitable for application over polymer modified cement concrete.
- The Product is not suitable for application externally over hot poured asphalt

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 13813:2002 Screed material and floor screeds — Screed material — Properties and requirements — Synthetic resin screed material

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins	
Packaging	Container Part A	25 kg
	Container Part B	Sikafloor® Pronto Hardener: 1 kg packs (in 0.1 kg bags)
Shelf Life	Part A	12 months from date of production
	Part B	6 months from date of production
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 the current Safety Data Sheet for information on safe handling and storage.	

Appearance / Colour	Part A	yellowish	
	Part B	white powder	
Density	Part A	~ 0.99 kg/l (+23 °C)	(DIN 51757)
Solid content by volume	~100 %		

TECHNICAL INFORMATION

Service Temperature

IMPORTANT

Exposure to moist or wet heat

Sikafloor® broadcast systems with a minimum thickness of ~3–4 mm, that use this Product, can resist short-term moist or wet heat of up to +80 °C if the exposure is only temporary (less than 1 hour). While the Product is exposed to temperatures up to +80 °C, simultaneous mechanical or chemical strain may cause damage to the Product.

1. Do not expose the Product to chemical or mechanical strain at elevated temperatures

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 %

Splitting packaging units

Note: For ease of handling, units may be split into smaller amounts. Make sure to follow the mixing ratios as described in the Application Information. Always weigh out each part before mixing it.

Consumption

0.30–0.40 kg/m²

Note: Consumption data is theoretical and does 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 applied product must be at least +3 °C above dew point to reduce the risk of condensation on the surface of the applied product.	
Substrate Temperature	Minimum	-10 °C
	Maximum	+30 °C

Substrate Moisture Content

Substrate	Test method	Moisture content
Cementitious substrates	Sika® Tramex moisture meter or CM-Method	≤ 4%

No rising moisture according to ASTM (Polyethylene-sheet).
Osmosis caused by rising moisture or incorrect primer application is not covered by the product warranty.

Pot Life

Product temperature	Time
0 °C	~36–40 minutes
+5 °C	~32–36minutes
+10 °C	~18–22minutes
+20 °C	~10–12minutes

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

Waiting Time / Overcoating

Substrate temperature	Waiting time
-10 °C	~60–80 minutes
0 °C	~50–60 minutes
+10 °C	~45–55 minutes
+20 °C	~35–45 minutes
+30 °C	~30–40 minutes

BASIS OF PRODUCT DATA

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

- Sika® Method Statement: Evaluation and preparation of surfaces for flooring systems

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

APPLICATION EQUIPMENT
- Short pile roller
- Squeegee

MIXING EQUIPMENT
- Electric double paddle mixer (>700 W, 300 to 400 rpm)

SUBSTRATE QUALITY

Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 MPa) with a minimum tensile strength of 1.5 MPa.
Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

SUBSTRATE PREPARATION

MECHANICAL SUBSTRATE PREPARATION
IMPORTANT
Exposing blow holes and voids
When mechanically preparing the surface, make sure to fully expose blow holes and voids.
1. Remove weak cementitious substrates.
2. Prepare cementitious substrates mechanically using abrasive blast cleaning or planing / scarifying equipment to remove cement laitance.
3. Before applying thin layer resins, remove high spots by grinding.
4. Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.
5. Use products from the Sikafloor®, Sikadur® and Sikagard® range of materials to level the surface or fill cracks, blow holes and voids.

SUBSTRATE PREPARATION OF NON-CEMENTITIOUS SUBSTRATES
For information on substrate preparation of non-cementitious substrates, contact Sika technical services.
TREATMENT OF JOINTS AND CRACKS
Construction joints and existing static surface cracks in substrate require pre-treating before full layer application. Use Sikadur® or Sikafloor® resins.

MIXING

PRIMER MIXING PROCEDURE
1. Mix Part A (resin) for ~30 seconds.
2. Add Part B (hardener) to Part A.
3. Mix continuously for 3 minutes, until a uniform mix is achieved.
   Note: Avoid excessive mixing to minimise air entrainment.
4. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
5. During the final mixing stage, scrape down the sides

and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

IMPORTANT
Protect from moisture
After application, protect the Product from damp, condensation and direct water contact for at least 1 hour.
IMPORTANT
Ventilation in confined spaces
Always ensure good ventilation when applying the Product in a confined space.
IMPORTANT
No application on rising moisture
Do not apply on substrates with rising moisture.
IMPORTANT
Ventilation for curing
For optimal curing, exchange the air at least seven times per hour. During application and curing, use a forced fresh air supply/exhausting of fumes with appropriate equipment (explosion-proof).
IMPORTANT
Remove foodstuff from application area
Reactive acrylic resins exhibit a characteristic odour during application and before achieving full cure. Once fully cured, they are taint free. All unpackaged goods must be removed from the area of the works during application.

1. Do not apply in the presence of foodstuffs.
2. Isolate any and all foodstuffs, whether packaged or not, from the flooring works during the application process and until the products are fully cured.

STANDARD PRIMER APPLICATION

1. Pour the mixed Product onto the substrate.
   Note: The consumption is specified in Application Information.
2. Apply the Product evenly over the surface with a short pile roller or a squeegee.
3. Back roll the surface in two directions at right angles with a short pile roller.
   Note: Maintain a "wet edge" during application for a seamless finish.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika (NZ) Limited
85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz