BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-17 Pronto N

2-part seal coat based on reactive acrylic resin for wet areas or cold storage rooms

DESCRIPTION

Sikafloor®-17 Pronto N is a two-part, reactive, low-viscosity, virtually non-yellowing methacrylic resin. It offers good resistance to water. It serves primarily as a slightly elastic colourless top coat in wet areas.

USES

The product is used as a seal coat for:

- Broadcast screeds prepared of e.g. Sikafloor®-81 EpoCem® or Sikafloor®-264PLUS, if broadcast to excess (wet areas or cooling rooms)
- Broadcast screeds prepared of Pronto resins

Please note:

- The Product may only be used by experienced professionals.

CHARACTERISTICS / ADVANTAGES

- Practical and safe
- Ideal for areas wet and cold areas where the water load is above 25 %
- High UV stability
- Very fast curing even at low temperatures
- Solvent free

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins		
Packaging	Container Part A	25 kg (~25.5L)	
	Container Part B	Sikafloor® Pronto Hardener: 25 kg packs	
	Part C	Sika® Pronto Pigment: 25 kg packs	
Appearance / Colour	Part A	yellowish, transparent	
	Part B	white powder	
Shelf Life	Part A	12 months from date of production	
	Part B	12 months from date of production	
	Part C	24 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 current Safety Data Sheet for information on safe handling and storage.		
Density	Part A	~0.98 kg/l (+23 °C)	(DIN 51757)
Solid content by weight	~100 %		
Solid content by volume	~100 %		

TECHNICAL INFORMATION

Chemical Resistance

Resistant to many chemicals.
Contact Sika technical service for specific information.

Thermal Resistance

Permanent	+60 °C
Short-term, maximum 1 hour	+80 °C

IMPORTANT
Exposure to moist/wet heat
Sikafloor® broadcast systems with a minimum thickness of ~3–4 mm, that use this Product, can resist short-term moist/wet heat up to +80 °C, if exposure is only temporary. However, during exposure to moist/wet heat, do not also subject Sikafloor® broadcast systems to chemical and/or mechanical strain, as it may cause damage to the system.

APPLICATION INFORMATION

Mixing Ratio

The amount of Hardener required depends on the substrate temperature:

Substrate temperature	% by weight (Sikafloor® Pronto Hardener)
+5 °C	3.0 %
+10 °C	3.0 %
+20 °C	2.0 %
+30 °C	1.0 %

Consumption

~0.5–0.8 kg/m² (~0.5-0.8L/m²) depending on the system applied in 1–2 coats (total max. 0.8 kg/m² (~0.8L/m²))
Note: These figures are theoretical and do 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	+5 °C
Maximum	+30 °C

Ambient Air Temperature

Minimum	+5 °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 or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.

Substrate Temperature

Minimum	+5 °C
Maximum	+30 °C

Pot Life

Product temperature	Time
+5 °C	~20 minutes
+10 °C	~18 minutes
+20 °C	~12 minutes
+30 °C	~8 minutes

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

Curing Time

+5 °C	~45 minutes
+10 °C	~40 minutes
+20 °C	~30 minutes
+30 °C	~20 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
- Sika® Method Statement: Mixing and application of flooring systems

ECOLOGY HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887

APPLICATION INSTRUCTIONS

EQUIPMENT

APPLICATION EQUIPMENT

- Short pile roller
- Squeegee

MIXING EQUIPMENT

Explosion-proof electric double paddle mixer (> 700 W, 300 to 400 rpm)

SUBSTRATE QUALITY / PRE-TREATMENT

MECHANICAL SUBSTRATE PREPARATION

1. Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.

SUBSTRATE CONDITION

Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

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.
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.

2-PART PIGMENTED

1. Mix Part A (resin) for ~30 seconds.
2. In a separate container, add 10 % of the final total weight of the pigment (Part C) and mix it with an equal amount of Part A, until you've achieved a homogenous premix. Refer to the mixing example below for further information.
3. Add this premix into the remaining Part A and mix for 3 minutes.
4. Add the required amount of Part B (refer to Mixing ratio in Application information) to Part A.
5. Mix for an additional minute, until a uniform mix is achieved.
6. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
7. 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.

IMPORTANT
Excessive layer thickness may cause damage
If the coat thickness is exceeded (more than 0.8 kg/m² (~0.8L/m²)), the resin will tend to flake and yellow. If the coat thickness is too low, excessive monomer loss may occur, leading to insufficient hardness or lower water resistance.

1. Make sure to follow the consumption as described in Application information.

IMPORTANT
Temporary heating
If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish.

1. For heating, use only explosion-proof electric powered warm air blower systems.

IMPORTANT
Ensuring consistent colour matching
For consistent colour matching, make sure the Product ineach area is applied from the same control batch numbers.

SEAL COAT FOR BROADCAST SURFACES

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

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.

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