BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-15 Pronto N

2-part, elastomeric, reactive-acrylic binder for self-smoothing coatings, scratch coats and broadcasts

DESCRIPTION

Sikafloor®-15 Pronto N is a 2-part, reactive, methacrylic resin with medium viscosity. It provides high impact resistance and flexibility at low temperatures for self-smoothing and broadcast flooring systems.

USES

Sikafloor®-15 Pronto N may only be used by experienced professionals.

Sikafloor®-15 Pronto N is used as a:
- Main coat for the Sikafloor® Pronto Modular System
- Scratch coat for surface levelling

CHARACTERISTICS / ADVANTAGES

- Good resistance to specific chemicals
- Elastomeric
- Very good mechanical resistance
- Solvent-free
- Very fast curing, even at low temperatures

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins	
Packaging	Container Part A	25 kg (~24.5L)
	Container Part B	Sikafloor® Pronto Hardener: 1 kg packs (in 0.1 kg bags)
	Part C	Sika® Pronto Pigment: 5 kg packs (10 × 0.5 kg bags)
	Part D	Sikafloor® Pronto Filler: 25 kg packs
Appearance / Colour	Part A	transparent, liquid
	Part B	white powder
	Part C	Sika® Pronto Pigment: approx. RAL 7032 other colours upon request
	Part D	Sikafloor® Pronto Filler: white, fine aggregates
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
	Part D	5 years 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 the packaging. Refer to the 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

Tensile Adhesion Strength	≥ 1.5 (1.0) MPa	(EN 1542)

Chemical Resistance	Laboratory-defined resistance to many individual chemicals. Before proceeding, contact Sika Technical Service for specific 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

Short-term, maximum 1 hour	+60 °C
Short-term, maximum 48 hours	+50 °C
Permanent	+40 °C

APPLICATION INFORMATION

Mixing Ratio

Part A : Part C : Part D by weight	12.5 : 1 : 25

The amount of Part B required depends on the substrate temperature:

Substrate temperature	**% by weight (Sikafloor® Pronto Hardener)**
0 °C	6 %
+10 °C	4 %
+20 °C	2 %
+30 °C	1.5 %

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

Wearing layer	Sikafloor®-15 Pronto N filled with 1:2 Sikafloor® Pronto Filler	3-4 kg/m²
Binder for scratch coat	Sikafloor®-15 Pronto N filled with 1:2 Sikafloor® Pronto Filler	1.6 kg/m² per mm

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 the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Product Temperature

Maximum	+30 °C
Minimum	0 °C

Ambient Air Temperature	Maximum	+30 °C
	Minimum	0 °C
Relative Air Humidity	Maximum	80 % r.h.
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	Maximum	+30 °C
	Minimum	0 °C
Substrate Moisture Content	Refer to the individual Product Data Sheet.	
Pot Life	0 °C	30 minutes
	+10 °C	20 minutes
	+20 °C	17 minutes
	+30 °C	12 minutes

Waiting Time / Overcoating

Before overcoating the Product, allow:

Substrate temperature	Waiting time
0 °C	80 minutes
+10 °C	60 minutes
+20 °C	45 minutes
+30 °C	30 minutes

Note: 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	80 minutes	3 hours
+10 °C	60 minutes	3 hours
+20 °C	45 minutes	3 hours
+30 °C	30 minutes	3 hours

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

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

Refer to the following method statements:
- Sika Method Statement — Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement — Sikafloor® mixing and application

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

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

APPLICATION EQUIPMENT
- Trowels, including serrated
- Spiked roller

SUBSTRATE QUALITY

Cementitious substrates 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 contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

MIXING

SELF-SMOOTHING WEARING LAYER AND SCRATCH COAT MIXING PROCEDURE

1. Mix Part A (resin) for ~30 seconds.
2. Add the required filler.
3. If required, add Part C (pigment) to the mixture while continuously mixing.
4. IMPORTANT Do not mix excessively. Mix for a further 2 minutes until a uniform mix is achieved.
5. Add Part B (hardener) to Part A.
6. Mix for an additional minute.
7. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
8. 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.

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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 or exhaust 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

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

Pin holes caused by application during rising temperature

If the Product is applied on porous substrates during rising temperature, pin holes may form from rising air.

1. Apply the Product during falling temperatures.

SELF-SMOOTHING BROADCAST WEARING LAYER APPLICATION

1. Pour the mixed Product onto the substrate. For the consumption, refer to Application Information.
2. Apply the Product evenly over the surface with a serrated trowel.
3. Back-roll the surface in two directions at right angles with a spike roller. Note Maintain a "wet edge" during application to achieve a seamless finish.
4. Broadcast the surface with aggregate, lightly at first, then to excess.Note The aggregate is dependant on the system build-up. Refer to the relevant System Data Sheet.

REINFORCED SELF-SMOOTHING WEARING LAYER APPLICATION

1. Pour the mixed Product onto the substrate. For the consumption, refer to Application Information.
2. Apply the Product evenly over the surface with a serrated trowel.
3. Back-roll the surface in two directions at right angles with a spike roller. Note Maintain a "wet edge" during application to achieve a seamless finish.
4. Roll out the reinforcement (Sika® Reemat Premium) onto the wet resin.IMPORTANT Allow a minimum 50 mm overlap on all joints of the reinforcement fleece.
5. Press the reinforcement firmly into the wet resin with a short pile roller.
6. To ensure full saturation of the reinforcement, apply wet on wet an encapsulation layer of the Product with a short pile roller.

SCRATCH COAT

1. Pour the mixed Product onto the substrate. For the consumption, refer to Application Information.
2. Apply the Product evenly over the surface with a trowel or a squeegee.

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.

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