BUILDING TRUST

PRODUCT DATA SHEET

# Sikafloor®-32 Pronto Thixo

2-PART PU MODIFIED PMMA ELASTOMERIC BINDER WITH THIXOTROPIC PROPERTIES FOR FLOORING APPLICATION

## PRODUCT DESCRIPTION

Sikafloor®-32 Pronto Thixo is a two part PU modified PMMA, fast curing, elastomeric self-smoothing binder with thixotropic properties based on reactive acrylic resins for flooring applications

## USES

Sikafloor®-32 Pronto Thixo may only be used by experienced professionals.
- as a detailing mortar for upstands
- for sealing around bolts/penetrations
- watertight membranes on very steeply inclined surfaces.

## CHARACTERISTICS / ADVANTAGES

- Highly flexible
- Good crack bridging
- Very easy to apply
- Application even at low temperatures
- Very good intercoat adhesion
- Quickly treatable

## APPROVALS / STANDARDS

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance 02 08 13 01 002 0000014 1131, and provided with the CE marking.
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 02 08 13 01 002 0000014 1131, certified by notified factory production control certification body 1119, and provided with the CE marking.

## PRODUCT INFORMATION

| | | |
|---|---|---|
| **Chemical Base** | PU modified poly-methyl –methacrylate based resin | |
| **Packaging** | Part A: Sikafloor®-32 Pronto Thixo | 20 kg containers |
| | Part B: Sika®-Pronto Hardener | 1.0 kg packs (in 0.1 kg bags) |
| **Appearance / Colour** | Part A:Sikafloor®-32 Pronto Thixo | RAL 7032 |
| | Part B: Sika®-Pronto Hardener | white, powder |
| **Shelf Life** | Part A: Sikafloor®-32 Pronto Thixo | 6 months |
| | Part B: Sika®-Pronto Hardener | 6 months |
| **Storage Conditions** | The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. | |
| **Density** | ~1.13 kg/l (at +23 °C) | (DIN 51757) |
| **Solid content by weight** | ~100 % | |
| **Solid content by volume** | ~100 % | |

## TECHNICAL INFORMATION

| | | | |
|---|---|---|---|
| **Elongation at Break** | ~150 % | | (EN ISO 527) |
| **Tensile Adhesion Strength** | >2 N/mm² | | (EN ISO 527) |
| **Crack Bridging Ability** | Static | class A4 (-20 °C)<br>1.55 mm | (DIN EN 1062-7) |
| | Dynamic | class B3.2 (-10 °C)<br>up to 0.3 mm | |

## APPLICATION INFORMATION

**Mixing Ratio**

| Temperature | Sika®- Pronto Hardener (% w/w *) |
|---|---|
| 0 °C | 6.0 |
| +10 °C | 4.0 |
| +20 °C | 2.0 |
| +30 °C | 1.0 |

*The quantity of hardening powder is always relative to the quantity of resin.
The hardener powder can also be ordered under the product name „Perkadox CH 50 X“ by Akzo Nobel, www.akzonobel.com, “Interox BP-50 FT” by Degussa, www.degussa.com or “BP 50 W+” by Pergan GmbH, www.pergan.com.

**Consumption**

~1,3 kg/m²/mm

**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 meter, CM - measurement or Oven-dry-method.
No rising moisture according to ASTM (Polyethylene-Sheet).

**Pot Life**

| Temperature | Time |
|---|---|
| 0 °C | 20 min |
| +10 °C | 15 min |
| +20 °C | 15 min |
| +30 °C | 8 min |

**Curing Time**

Before overcoating Sikafloor®-32 Pronto Thixo allow:

| Temperature | Time |
|---|---|
| 0 °C | ~80 min |
| +10 °C | ~60 min |
| +20 °C | ~60 min |
| +30 °C | ~40 min |

**Applied Product Ready for Use**

| Temperature | Foot traffic | Full cure |
|---|---|---|
| 0 °C | ~80 min | ~3 hours |
| +10 °C | ~60 min | ~3 hours |
| +20 °C | ~60 min | ~2 hours |
| +30 °C | ~40 min | ~2 hours |

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

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

### MIXING

Sikafloor®-32 Pronto Thixo is supplied ready-filled and pigmented. Stir part A throroughly, then add part B (hardener) and mix for 1 minute.
Over mixing must be avoided to minimise air entrainment.
**Mixing Tools**
For indoor work, spark free mixing equipment must be used (explosion-proof). Sikafloor®-32 Pronto Thixo must be thoroughly mixed using a low speed electric stirrer (300–400 rpm) or other suitable equipment

### APPLICATION

Apply evenly with a short pile roller or with a brush.

### CLEANING OF TOOLS

Clean all tools and application equipment 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

- Always prime the substrate with Sikafloor®-10 or 11 Pronto before applying Sikafloor®-32 Pronto Thixo
- Do not use Sikafloor®-32 Pronto Thixo on substrates with rising moisture. Freshly applied Sikafloor®-32 Pronto Thixo 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®-32 Pronto Thixo 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 (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 unpackaged 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 and until the products are fully cured.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- 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.

## 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 Safety Data Sheet (SDS) 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/CE, the maximum allowed content of VOC (product category IIA / j type sb) is 500 g/l (Limits 2010) for the ready to use product.
The maximum content of Sikafloor®-32 Pronto Thixo 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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