

**Product Data Sheet**  
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Sika®-Pronto Coving Mortar

## Sika®-Pronto Coving Mortar

3-part coving and detailing mortar based on reactive acrylic resins

### Product Description

Sika®-Pronto Coving Mortar is a 3-part, fast curing coving and detailing mortar based on reactive acrylic resins for the Sikafloor®-Pronto Modular System.

Sika®-Pronto Coving Mortar consists of:

Part A: Sika®-Pronto Coving Paste  
Part B: Sika®-Pronto Hardener  
Part C: quartz or coloured quartz sand 0.7 – 1.2 mm

### Uses

- For fast curing coving mortars and detailing for indoor applications
- Particularly suitable for the food industry (dry and wet areas)
- Multi-coloured surface can be obtained by using coloured quartz sand

### Characteristics / Advantages

- Very fast curing, even at low temperatures
- Good mechanical and chemical resistance
- Good UV resistance
- Solvent-free
- Part of a complete modular system

### Product Data

#### Form

#### Appearance / Colours

Part A: Sika®-Pronto Coving Paste: transparent, white paste-like  
Part B: Sika®-Pronto Hardener: white, powder

Sika®-Pronto Pigment:  
~ RAL 7032 other colours upon request.

#### Packaging

Part A: Sika®-Pronto Coving Paste: 25 kg containers  
Part B: Sika®-Pronto Hardener: 1.0 kg pack (in 0.1 kg bags)

Sika®-Pronto Pigment: 5 kg pack (10 x 0.5 kg bags)

#### Storage

#### Storage Conditions / Shelf Life

From date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.

Part A: Sika®-Pronto Coving Paste: 6 months  
Part B: Sika®-Pronto Hardener: 6 months

Sikafloor®-Pronto Hardener must be protected from heat, direct sunlight, moisture and impact.

Construction



## Technical Data

<b>Chemical Base</b>	Reactive acrylic resins	
<b>Density</b>	~ 1.02 kg/l (at +23°C)	(DIN 51 757)
<b>Solid Content</b>	~ 100% (by volume) / ~ 100% (by weight)	

## Mechanical / Physical Properties

<b>Compressive Strength</b>	Resin filled: ~ 40 N/mm <sup>2</sup> (14 days / +23°C)	(DIN 1164)
<b>Flexural Strength</b>	Resin filled: ~ 17 N/mm <sup>2</sup> (14 days / +23°C)	(DIN 1164)

## Resistance

**Chemical Resistance** Resistant to many chemicals. Please ask for a detailed chemical resistance table.

### Thermal Resistance

Exposure*	Dry heat
Permanent	+50°C
Short-term max. 2d	+60°C
Short-term max. 1h	+80°C

Short-term moist/wet heat\* up to +80°C where exposure is only occasional (steam cleaning etc.)

\* No simultaneous chemical and mechanical exposure.

## System Information

<b>System Structure</b>	<i>Coving mortar:</i> Primer: 1-2 x Sikafloor®-10 Pronto / -13 Pronto Coving mortar: 1 x Sika®-Pronto Coving Paste + quartz or coloured quartz sand (0.7 – 1.2 mm)
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## Application Details

### Consumption

Coating System	Product	Consumption
Primer	1-2 x Sikafloor®-10 Pronto / -13 Pronto	0.4 - 0.5 kg/m <sup>2</sup>
Coving Mortar (thickness max 10 mm)	Sika®-Pronto Coving Paste (1 pbw) quartz or coloured quartz sand 0.7 – 1.2 mm (3.0 pbw)	~ 2.0 kg/m at a height of 10cm (1 kg part A + 3 kg quartz sand) *

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

\*The amount of filler can be adjusted by about ± 20% depending on the ambient temperatures in order to ensure the right consistency for a correct application.

### Substrate Quality

The cementitious substrate must be sound and of sufficient compressive strength (min. 25 N/mm<sup>2</sup>) with a minimum pull-off strength 1.5 N/mm<sup>2</sup>.

The substrate must be clean dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

If in doubt apply a test area first.

<b>Substrate Preparation</b>	<p>Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.</p> <p>Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.</p> <p>Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®-Pronto and SikaDur®-Pronto range of materials.</p> <p>The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.</p> <p>High spots must be removed by e.g. grinding.</p> <p>All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.</p>
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### Application Conditions / Limitations

<b>Substrate Temperature</b>	0°C min. / +30°C max.
<b>Ambient Temperature</b>	0°C min. / +30°C max.
<b>Substrate Humidity</b>	<p>≤ 4% pbw moisture content.</p> <p>Test method: Sika-Tramex or CM.</p> <p>No rising moisture according to ASTM (Polyethylene-Sheet).</p>
<b>Relative Air Humidity</b>	~ 80% r.h. max.
<b>Dew Point</b>	<p>Beware of condensation!</p> <p>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.</p>

### Application Instructions

<b>Mixing</b>	<p><i>Coving mortar:</i></p> <p>Part A : Part C = 1 : 3 (by weight)</p> <p>The amount of Hardener required is dependent on the ambient- and substrate temperature (see table below).</p> <table border="1"> <thead> <tr> <th rowspan="2">Sika®-Pronto Coving Paste</th> <th colspan="4">Sika®-Pronto Hardener</th> <th rowspan="2">Sikafloor®-Pronto Filler</th> <th rowspan="2">Sika®-Pronto Pigment</th> </tr> <tr> <th>+0°C</th> <th>+10°C</th> <th>+20°C</th> <th>+30°C</th> </tr> </thead> <tbody> <tr> <td>5 kg</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sika®-Pronto Hardener (%pbw)</td> <td>250 g (5.0%)</td> <td>200 g (4.0%)</td> <td>125 g (2.5%)</td> <td>75 g (1.5%)</td> <td>15 kg</td> <td>0.5 kg</td> </tr> </tbody> </table> <p>The hardener powder can also be ordered under the product name „Perkadox CH 50 X“ by Akzo Nobel, <a href="http://www.akzonobel.com">www.akzonobel.com</a>, “Interox BP-50 FT” by Degussa, <a href="http://www.degussa.com">www.degussa.com</a> or “BP 50 W+” by Pergan GmbH, <a href="http://www.pergan.com">www.pergan.com</a></p>	Sika®-Pronto Coving Paste	Sika®-Pronto Hardener				Sikafloor®-Pronto Filler	Sika®-Pronto Pigment	+0°C	+10°C	+20°C	+30°C	5 kg							Sika®-Pronto Hardener (%pbw)	250 g (5.0%)	200 g (4.0%)	125 g (2.5%)	75 g (1.5%)	15 kg	0.5 kg
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<b>Mixing Time</b>	<p>First add the correct amount of Sika®-Pronto Hardener to the Sika®-Pronto Coving Paste and mix thoroughly for approximately one minute. Then, the correct amount of fillers are added to the Sika®-Pronto Coving Paste and mixed for another minute using an electrical power stirrer until a consistent mix is achieved.</p> <p>Under no circumstances should other untested additives be added to the mixture</p>
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<b>Mixing Tools</b>	<p><i>For indoor work, spark free mixing equipment must be used (explosion-proof)!</i></p> <p>Sika®-Pronto Coving Mortar must be mechanically mixed using an electrical power stirrer (300 - 400 rpm) or other suitable equipment.</p>
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**Application Method / Tools**

Prior to application, confirm substrate moisture content, r.h. and dew point.

*Priming:*Normal non-porous surfaces:

Apply 1-2 x Sikafloor®-10 /13 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 /13 Pronto until saturation of the substrate is achieved. For waiting time before overcoating see table "Waiting Time / Overcoating".

Apply Sikafloor®-10 / 13 Pronto using a "non-fuzzing", short-pile nylon roller.

*Levelling:*

Rough surfaces need to be levelled first. Therefore use e.g. Sikafloor®-14 / -15 Pronto or Sikadur®-12 Pronto levelling mortar (see PDS). Apply by squeegee / trowel to the required thickness.

*Coving Mortar:*

Apply Sika®-Pronto Coving Mortar onto the primed surfaces and form a cove to the required dimensions and radius using a coving tool.

The material cures very quickly and therefore application must be carried out steadily and "wet on wet" in order to achieve joint free floors.

**Cleaning of Tools**

Clean all tools and application equipment with Thinner C immediately after use. Hardened / cured material can only be mechanically removed.

**Potlife**

	0°C	+10°C	+20°C	+30°C
Time (minutes)	~ 20	~ 15	~ 15	~ 10

**Waiting Time / Overcoatability**

Before applying Sika®-Pronto Coving Mortar on Sikafloor®-13 Pronto allow:

Substrate temperature	0°C	+10°C	+20°C	+30°C
Minimum(minutes)	50	45	40	35
Maximum (minutes)	*	*	*	*

\*No time limit, the Sikafloor®-Pronto materials can be applied on each other after thorough cleaning

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

**Notes on Application / Limitations**

Do not use Sika®-Pronto Coving Mortar on substrates in which significant vapour pressure may occur.

For coating thicknesses exceeding more than 10 mm, the coving should first be pre-filled and allowed to harden in order to avoid any overheating during the curing.

Freshly applied Sika®-Pronto Coving Mortar 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 Sika®-Pronto Coving Paste 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).

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

## Curing Details

Applied Product ready for use

	0°C	+10°C	+20°C	+30°C
Foot traffic (minutes)	~ 60	~ 50	~ 40	~ 30
Full cure (hours)	~ 3	~ 3	~ 2	~ 2

Times are approximate and will be affected by changing ambient conditions.

## 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.

## Health and Safety Information

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.

## 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.

## EU Regulation 2004/42

### VOC - Decopaint Directive

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 **Sika®-Pronto Coving Mortar** is < 500 g/l VOC for the ready to use product.



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