

Product Data Sheet  
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Sikafloor® Pronto 14

# Sikafloor® Pronto 14

## Methyl Methacrylate Basecoat and Screed System

**Description** Sikafloor Pronto 14 is a (3) three- part, fast curing, self-smoothing screed coating based on reactive acrylic resins. Sikafloor Pronto 14 can be used as a binder for leveling mortars and also serves as a receiver coat for decorative quartz or flake broadcast systems. Sikafloor Pronto 14 can be used as the binder for a vertical cove mix in combination with 30 mesh dried silica sand or decorative quartz and the addition of Sylothix 51 thixotrope.

- Where to Use**
- Automotive Dealerships
  - Food & Beverage Processing
  - Manufacturing
  - Animal Clinics
  - Pharmaceutical Facilities
  - Supermarkets
  - Coolers and Freezers
  - Retail Sales Spaces
  - Sports Facilities, Concourses, Locker rooms, Concessions

- Advantages**
- Very fast curing, even at low temperatures
  - Good mechanical and chemical resistance
  - 100% Reactive
  - UV Resistant
  - Repairs seamlessly

**Chemical Resistance** Before applying for protection against specific chemical environments, consult Sikafloor Pronto Chemical Resistance Guide or contact Sika Technical Services at 800-933-SIKA (7452).

### Typical Data

<b>Colors</b>	16 standard colors available with use of Sikafloor Pronto Pigments
<b>Pot Life</b>	Approx. 10-15 minutes @ 75°F (23.8°C).
<b>Thinner</b>	Not Recommended
<b>Shelf Life</b>	Maximum 12 months in unopened containers @ 65°F - 75°F (18.3°C - 23.8°C).
<b>Cure Time</b>	35 - 60 minutes
<b>Recoat Time</b>	35 - 60 minutes

**Packaging:** Sikafloor Pronto 14 Part R is packaged in 40.8 lb. (18.5 kg) pails which contain 5 gallons (18.9 L) Drums 400 lb.(180 kg), 49 gallons (185 L). Part H: Sikafloor Pronto Hardener: 55 lb (25 kg.) cardboard box. Sikafloor Pronto Filler: 40 lb. (18 kg) bags. Sikafloor Pronto Pigment: 50 lb. (22.6 kg) and 15 lb. (6.8 kg.) pails.

**Shelf Life:** Maximum 12 months in unopened containers @ 65°F - 75°F (18.3°C - 23.8°C)

**Storage Conditions:** Sikafloor Pronto 14 should be stored in a cool, dry area out of direct sunlight. The materials should be stored between 65°F and 75°F (18.3°C - 23.8°C) for 24 hours prior to use for optimum handling properties. Do not store near open flame or an ignition source. The cans should maintain an airtight seal.

**Product Conditioning:** Condition product to application temperature prior to use.

Type Test	Test Method	Typical Value
<b>Percent Reactive Resin</b>		100%
<b>Density, lbs/gal</b>	ASTM D1475	8.15 lbs/gal (0.98 kg/L)
<b>Compressive Strength</b>	ASTM C-109	2000-8000 psi. (13.6-20.6 N/mm <sup>2</sup> )
<b>Flexural Strength</b>	ASTM D790	3500 psi. (24.1 N/mm <sup>2</sup> )
<b>Water Absorption</b>	ASTM D570	0.6% weight gain
<b>Tensile Strength</b>	ASTM D638	1450 psi. (9.9 N/mm <sup>2</sup> ) neat 1200 psi. (8.27 N/mm <sup>2</sup> ) filled

Industrial Flooring



## How to Use

### Surface Preparation

Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, curing compounds, bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application. Concrete - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by shot blasting or equivalent mechanical means. (CSP-3 as per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate. Whenever shot-blasting is utilized, be careful to leave concrete with a uniform texture. Over-blasting will result in reduced coverage rates of the primer and/or subsequent topcoats. It is also possible that the texture of the shot-blast pattern may show through the last coat. This is known as "tracking". The compressive strength of the concrete substrate should be at least 3500 psi (24 MPa) at 28 days and at least 250 psi (1.7 MPa) in tension at the time of application of Sikafloor 13 Pronto. Refer to Sikafloor MMA Detail Drawings for specific termination, joint, and cove base details.

### Priming

Sikafloor 13 Pronto Primer must be used prior to the application of Sikafloor Pronto 14. Consult Sikafloor Pronto 13 Technical Data Sheet for specific instructions on priming.

### Mixing

Always pre-mix pails or drums of Sikafloor Pronto Part R products prior to pouring off into smaller mixes. Failure to do so will result in improper cure. If a color is desired or specified, add 2 fl. oz. of Sikafloor Pronto Pigment per gallon of Sikafloor Pronto 14 Part R if used as a screed coat. If used as a roll on basecoat, use 4 oz. Sikafloor Pronto Pigment paste per gallon of Sikafloor Pronto 14. The addition of 1.5 lbs. or approximately 16 fl. oz./gallon of 350 mesh pulverized silica flour is highly recommended to aid in opacity and color stability and uniformity when using Sikafloor Pronto 14 as a pigmented roll 16-20 mil base coat. Mix pigment thoroughly with a drill (350-450 rpm) and jiffy mix paddle until color is uniform in the pail prior to adding the Sikafloor Pronto Hardener Part H as prescribed below. Sikafloor Pronto 14 Part R must be mixed with appropriate amounts of Sikafloor Pronto Hardener Part H with a drill (300-450 rpm.) and jiffy mix paddle for a minimum of 60 seconds immediately before application.

#### Sikafloor Pronto Hardener Dosing Chart

Use the below amounts of Sikafloor Pronto Hardener per one (1) gallon with Sikafloor Pronto 14 in accordance with temperature as below.

32 - 50°F (0-10 °C)	12 -8 fl.oz. Sikafloor Pronto Hardener
50 - 68°F (10 -20°C)	8 -6 fl.oz. Sikafloor Pronto Hardener
68 - 86°F (20-30°C)	6-4 fl.oz. Sikafloor Pronto Hardener

The recommended mix design for the Sikafloor Pronto 14 self leveling screed system is two (2) gallons (7.6 L) of properly catalyzed Sikafloor Pronto Part R and 1 bag (40 lbs; 18kg) of Sikafloor Pronto Filler. The recommended mix for a vertical cove mortar is 1 gallon of properly catalyzed Sikafloor Pronto 14, 2 gallons of 30 mesh dried silica sand or decorative quartz and 1/2 gallon of Sylothix 51 thixotrope. The Sylothix 51 may be increased to 3/4 gallon for the above mix to suit handling preferences. Do not add additional sand or quartz aggregate as this may prevent proper curing.

### Application

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 odor during application and prior to achieving full cure. Once fully cured they are odor free. All unpackaged goods should be removed from the work area during application. Do not apply in the presence of foodstuffs. Any foodstuffs, whether packaged or not, should be completely isolated from the work area during the application process and until the products are fully cured. Begin application at one end of the room by pouring entire contents of mixed material in the form of a ribbon on the surface to be coated parallel with the starting point. Cut in edges using hand trowels. Use a gauge rake to spread the material. Immediately roll cross the application area using a 9" or 18" solvent resistant spiked roller to release any trapped air and to assist in the leveling of material. The material cures very quickly and therefore application must be carried out steadily and "wet on wet" in order to achieve joint free floors. Broadcast appropriate aggregate (if specified) into the wet material. A multi colored surface can be obtained by broadcasting with colored-vinyl flakes or colored-quartz. (The compatibility of the colored-flakes to Sikafloor Pronto systems must be checked prior to application). Broadcast aggregate evenly by throwing toward the ceiling allowing aggregate to "rain down" landing smoothly into the slurry. Allow slurry to thoroughly cure and cool down (approx. 1 hour). Freshly applied Sikafloor Pronto 14 must be protected from damp, condensation and water for at least 1 hour. Remove excess aggregate with a good quality, stiff synthetic fiber broom or carefully vacuum entire area paying close attention to perimeter and corners. Depending on system installed, apply the appropriate number (of coats) and thickness of Sikafloor Pronto 16 or Sikafloor Pronto 17.

<b>Coverage</b>	For use as a Self Leveling Screed Coating: Two (2) gallons (7.6L) Sikafloor Pronto 14 Part R with 1 bag (40 lbs; 18kg) Sika Floor Pronto Filler has a theoretical coverage of 45 ft <sup>2</sup> (4.17 m <sup>2</sup> ) at a thickness of 1/8" (3 mm). As a roll on basecoat, (without the addition of Sikafloor Pronto Filler) minimum thickness of 100 sq.ft. (2.45 sq.m/L). The vertical cove mix mortar described in the mixing section above yields approximately 0.26 cu.ft. (12.8 sq.ft. @1/4" thickness) Lineal cove coverage depends on size and radius of cove.
<b>Critical Recoat Time</b>	Sikafloor Pronto MMA products do not have a maximum re-coat window. It is critical however that the primer remain clean and traffic be prohibited before the subsequent coating is applied.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>■ Never apply in direct sunlight or at surface temperatures above 90° F (32° C) or below 30° F (-1° C).</li> <li>■ Constant exposure to hot water should not exceed 185° F (85° C).</li> <li>■ For slab on grade applications a water vapor barrier membrane should be in place.</li> <li>■ Maximum relative humidity: RH levels are not an issue provided surface temp is at least 5° (3°) above the dew point and surface is clean and dry.</li> <li>■ Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F1869. Maximum acceptable test result is 3 pounds per 1,000 ft<sup>2</sup> per 24 hours. Determine the surface moisture content by using an impedance moisture meter designed for use on concrete as detailed in ASTM E-1907. Acceptable test results shall be 4% by mass or less. If over, use Sikafloor EpoCem 81/82. Refer to specific Technical Data Sheets for instructions.</li> <li>■ Do not thin this product.</li> </ul>
<b>Caution</b>	<p><b>COMPONENT R: DANGER: FLAMMABLE, IRRITANT, SENSITIZER.</b> Contains Methyl Methacrylate (CAS: 80-62-6), 2-Ethylhexyl Acrylate (CAS: 103-11-7) and Dipropoxy-p-Toluidine (CAS: 38668-48-3). Keep away from heat, sparks, sunlight, electrical equipment, flame or other sources of ignition. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE. Use only in well ventilated areas. Open doors and windows during use. Eye/skin/respiratory irritant. May cause skin sensitization. Inhalation can result in headaches and dizziness. Harmful if swallowed. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.</p> <p><b>COMPONENT H: DANGER: OXIDIZER, IRRITANT, SENSITIZER.</b> Contains Peroxide, dibenzoyl (CAS: 94-36-0). Causes eye/skin irritation. May cause respiratory irritation. May cause skin sensitization. Harmful if swallowed.</p> <p>Sika Pronto Filler: WARNING: IRRITANT. Contains Quartz (CAS: 14808-60-7 ). Causes eye/skin/respiratory irritation. Harmful if swallowed. WARNING: This product contains a chemical known to the State of California to cause cancer.</p>
<b>First Aid</b>	<p><b>Eyes</b> – Hold eyelids apart and flush thoroughly with water for 15 minutes. <b>Skin</b> – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. <b>Inhalation</b> – Remove to fresh air. <b>Ingestion</b> – Do not induce vomiting. Dilute with water. Contact physician. <b>In all cases contact a physician immediately if symptoms persist.</b></p>
<b>Handling and Storage</b>	<p><b>COMPONENT R: Keep away from heat, sparks, sunlight, electrical equipment or flame. VAPORS MAY IGNITE AND EXPLODE. DO NOT SMOKE.</b> Open doors and windows during use. Use adequate local and mechanical ventilation. Wear protective equipment (chemically resistant gloves/goggles/clothing) to prevent direct contact with skin and eyes. Use properly fitted NIOSH vapor cartridge respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing after use. Store product in tightly sealed containers in a cool, dry well ventilated area at temperatures between 65° F and 75°F away from ignition sources. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.</p> <p><b>COMPONENT H:</b> Keep products in original container. Store in cool, dry well ventilated area. keep away from material or conditions listed in conditions to avoid. Do not grind or subject peroxide to frictional heat or shock. Do not add peroxide to hot reaction mixtures. Do not transfer to rigid containers with tight or screw-on closures. Do not allow peroxide to dry out, as the material will become friction sensitive. Wear protective equipment and/or garments list for personal protective equipment. Avoid inhalation and skin and eye contact. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. Dispense and transfer in an area separate from storage area. The addition of accelerators from polymerization may result in vigorous decomposition. Store below 100 F. Do not return to original container.</p> <p><b>Sika Pronto Filler: WARNING: IRRITANT.</b> Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and laundry before reuse.</p>

## Clean Up

**COMPONENT R:** In case of spill, eliminate all ignition and heat sources. Ventilate area. Open doors and windows. Wear chemical resistant gloves/goggles/clothing. In absence of proper ventilation use properly fitted NIOSH respirator. Confine spill, collect using noncombustible absorbent material and place in properly sealed container. Dispose of excess product in accordance with applicable local, state and federal regulations.

**COMPONENT H:** Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described in PPE if exposure conditions warrant. Keep out of reach of water sources and sewers. Use spark-proof tools and explosion-proof equipment. Carefully collect the material and transfer to polyethylene-lined containers. Do not allow peroxide to dry out, add water if necessary.

**Sika Pronto Filler:** Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.

## Additional Info

Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on [www.sikafloorusa.com](http://www.sikafloorusa.com). Proper material application is the responsibility of the user. Site visits made by Sika personnel are for making technical recommendations only and not for supervising or providing quality control.

**KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY**

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