

PRODUCT DATA SHEET

Sikafloor®-14 Pronto

METHYL METHACRYLATE BASECOAT AND SCREED SYSTEM

PRODUCT DESCRIPTION

Sikafloor®-14 Pronto is a three- part, fast curing, self-smoothing screed coating based on reactive acrylic resins. Sikafloor®-14 Pronto can be used as a binder for leveling mortars and also serves as a receiver coat for decorative quartz or flake broadcast systems. Sikafloor®-14 Pronto 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.

USES

Sikafloor®-14 Pronto may only be used by experienced professionals.

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

CHARACTERISTICS / ADVANTAGES

- 100% Reactive
- UV Resistant
- Abrasion and scratch resistant
- Low viscosity
- Superb chemical, mechanical, and thermal resistance
- Fast cure time under one hour
- Repairs seamlessly

PRODUCT INFORMATION

Chemical Base	Before applying for protection against specific chemical environments, consult Sikafloor Pronto Chemical Resistance Guide or contact Sika Technical Services.	
Packaging	Part R	5 gallon (18.9L.) 49 gallon. (185L)
	Part H	50 lbs. (22.7 kg.) packaged cardboard box.
	Sika®-Pronto Filler	40 lb. (18 kg). bags
	Sika®-Pronto Pigment	50 lb. (22.6 kg) and 15 lb. (6.8 kg.) pails.
Appearance / Color	Part R	Transparent, liquid
	Part H	White, powder
	Sika®-Pronto Filler	White, fine aggregates
	Sika®-Pronto Pigment	16 standard colors available with use of Sikafloor Pronto Pigments
Shelf Life	Maximum 12 months in unopened containers at 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.	
Density	8.15 lbs/gal (0.98 kg/L)	ASTM D1475 at 73°F(23°C) and 50% R.H

TECHNICAL INFORMATION

Compressive Strength	2000-8000 psi. (13.6-20.6 N/mm2)	ASTM C109 at 73°F(23°C) and 50% R.H
Flexural Strength	3500 psi. (24.1 N/mm2)	ASTM D790 at 73°F(23°C) and 50% R.H
Tensile Strength	1450 psi. (9.9 N/mm2) 1200 psi. (8.27 N/mm2) filled	ASTM D638 at 73°F(23°C) and 50% R.H
Water Absorption	0.6% weight gain	ASTM D570 at 73°F(23°C) and 50% R.H

APPLICATION INFORMATION

Thinner	Not Recommended						
Coverage	<p>For use as a Self Leveling Screed Coating: Two gallons (7.6L) Sikafloor Pronto 14 Part A with 1 bag (40 lbs; 18kg) Sika Floor Pronto Filler has a theoretical coverage of 45 ft² (4.17m²) at a thickness of 1/8" (3 mm).</p> <p>As a roll on basecoat, (without the addition of Sikafloor Pronto Filler) minimum thickness of 100 sq.ft/gal(2.45 sq.m/L).</p> <p>Vertical cove mix mortar: 1 quart, Sikafloor®-14 Pronto, 7 lbs (1/2 gal) of Colored Quartz, 24 volume ounces of Sylothix 51 thixotrope, MMA Part H yields 4-6 LF at 4" (Max Limit 5:1 aggregate to resin).</p>						
Ambient Air Temperature	32 °F (0°C) min. / + 86 °F (30 °C) max.						
Relative Air Humidity	~80 % r.h. max.						
Dew Point	The substrate and uncured floor must be at least 5 °F (-15 °C) above dew point to reduce the risk of condensation or blooming on the floor finish.						
Substrate Temperature	14 °F (-10°C) min. / + 86 °F (30 °C) max.						
Substrate Moisture Content	≤ 4 % pbw moisture content. Test method: Tramex CMEX II						
Pot Life	<table border="1"> <thead> <tr> <th>Temperature</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>75°F (23.8°C)</td> <td>~10-15 minutes</td> </tr> </tbody> </table>	Temperature	Time	75°F (23.8°C)	~10-15 minutes		
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Waiting / Recoat Times	<p>Before overcoating Sikafloor®-14 Pronto allow:</p> <table border="1"> <thead> <tr> <th>Temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>75°F (24°C)</td> <td>35 minutes</td> <td>60 minutes</td> </tr> </tbody> </table> <p>Critical Recoat Time 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.</p>	Temperature	Minimum	Maximum	75°F (24°C)	35 minutes	60 minutes
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BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- Never apply in direct sunlight or at surface temperatures above 90° F (32°C) or below 30° F (-1°C).
- Constant exposure to hot water should not exceed 185° F (85° C).
- For slab on grade applications a water vapor barrier membrane should be in place.

- 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.
- Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F1869.
- Maximum acceptable test result is 3 pounds per 1,000 ft² 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 22 NA PurCem or Sikafloor-24 NA PurCem, broadcast to rejection with Sikadur 508 aggregate to a minimum thickness of an 1/8". Refer to specific Technical Data Sheets for instructions.

- Do not thin this product.

Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on 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.

ENVIRONMENTAL, 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

SURFACE PREPARATION

Concrete surfaces must be clean and sound. Remove all dust, dirt, existing paint films, efflorescence, exudates, laitance, form oils, hydraulic or fuel oils, brake fluid, grease, fungus, mildew, biological residues or any other contaminants which may prohibit a good bond.

Prepare the surface by any appropriate mechanical means, in order to achieve a profile equivalent to ICRI - CSP 3-6.

The compressive strength of the concrete substrate should be at least 3,625 psi (25 MPa) at 28 days and a minimum of 218 psi (1.5 MPa) in tension at the time of application.

Repairs to cementitious substrates, filling of blowholes, leveling of irregularities, etc. should be carried out using an appropriate Sika profiling mortar. Contact Sika Technical Service for a recommendation.

Priming

Sikafloor®-13 Pronto Primer must be used prior to the application of Sikafloor®-14 Pronto. Consult Sikafloor®-13 Pronto 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®-14 Pronto 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®-14 Pronto. 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®-14 Pronto 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®-14 Pronto Part H as prescribed below.

Sikafloor®-14 Pronto Part R must be mixed with appropriate amounts of Pronto Hardener using 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 Pronto Hardener per one gallon of Sikafloor®-14 Pronto in accordance with the temperature as shown below:

<u>Temperature</u>	<u>Pronto Hardener per gallon</u>
32 - 50°F (0-10 °C)	12 -8 fl.oz.
50 - 68°F (10 -20°C)	8 -6 fl.oz.
68 - 86°F (20-30°C)	6-4 fl.oz.

The recommended mix design for the Sikafloor®-14 Pronto self leveling screed system is two gallons (7.6 L) of properly catalyzed Sikafloor Pronto Part R and one bag (40 lbs; 18kg) of Sikafloor Pronto Filler.

Do not add additional sand or quartz aggregate as this may prevent proper curing. Maximum limit of 5: 1 aggregate to resin.

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 using brush or hand trowels. Use a gauge rake to spread the material. Use an 1/8" gauge Cam rake (#2) to place the material, moving from left to right on the floor. Immediately spike roll the placed material to release any trapped air and to assist in leveling the material. The material cures very quickly and therefore application must be carried out steadily. Maintain a wet edge during application to ensure a seamless finish.

Broadcast appropriate aggregate (if specified) into the wet material. A multi colored surface can be obtained by broadcasting with colored-quartz. 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 or flakes 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.

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Product Data Sheet

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OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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