

## PRODUCT DATA SHEET

# Sikafloor®-17 Pronto

Methyl Methacrylate Topcoat System for Wet and Cold Storage Areas

### PRODUCT DESCRIPTION

Sikafloor®-17 Pronto is a flexible, two component, reactive acrylic coating based on methyl methacrylate (MMA). Sikafloor®-17 Pronto is designed to be used as the topcoat of Sikafloor Pronto MMA based flooring system especially in wet and cold storage areas. Sikafloor®-17 Pronto provides protection from mechanical, thermal, chemical, and UV exposure. Sikafloor®-17 Pronto can be applied as a clear or pigmented topcoat.

### USES

Sikafloor®-17 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, VOC Compliant
- UV Resistant
- Abrasion and scratch resistant
- Low viscosity
- Superb chemical, mechanical, and thermal resistance
- Fast cure time under one hour
- Repairs seamlessly

## PRODUCT INFORMATION

<b>Chemical Base</b>	Before applying for protection against specific chemical environments, consult Sikafloor Pronto Chemical Resistance Guide or contact Sika Technical Services.	
<b>Packaging</b>	Part R:	5 gallon (18.9L.) 49 gallon. (185L)
	Part H:	50 lbs. (22.7 kg.) packaged cardboard box.
	Sika®-Pronto Pigment	50 lb. (22.7 kg) and 15 lb. (6.8 kg.) pails.
<b>Appearance / Color</b>	Part R:	transparent, liquid
	Part H:	white, powder
	Sika®-Pronto Pigment	16 standard colors available with use of Sikafloor Pronto Pigments
<b>Shelf Life</b>	Maximum 12 months in unopened containers @ 65°F - 75°F (18.3°C - 23.8°C).	
<b>Storage Conditions</b>	Sikafloor®-17 Pronto should be stored in a cool, dry area out of direct sunlight. The material 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.	
<b>Density</b>	8.15 lbs/gal (0.98 kg/L)	ASTM D1475 at 73°F(23°C) and 50% R.H

## TECHNICAL INFORMATION

<b>Tensile Strength</b>	3660 psi. (25.23 N/mm <sup>2</sup> )	ASTM D638
	3.9 x 10 <sup>5</sup> psi. (2689 N/mm <sup>2</sup> ) Modulus	at 73°F(23°C) and 50% R.H
<b>Water Absorption</b>	< 0.6%	ASTM D570 at 73°F(23°C) and 50% R.H

## APPLICATION INFORMATION

<b>Coverage</b>	80 - 100 sq.ft./gallon (1.96m <sup>2</sup> - 2.45m <sup>2</sup> /L) @ approximately 16 - 18 mils		
<b>Ambient Air Temperature</b>	14 °F(-10 °C) min. / +86 (+30 °C)max.		
<b>Relative Air Humidity</b>	~80 % r.h. max.		
<b>Dew Point</b>	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.		
<b>Substrate Temperature</b>	14 °F(-10 °C) min. / +86 (+30 °C) max.		
<b>Substrate Moisture Content</b>	≤ 4 % pbw moisture content. Test method: Tramex CMEX II, CM		
<b>Pot Life</b>	<b>Temperature</b>	<b>Time</b>	
	75°F (24°C)	~10-15 minutes	
<b>Cure Time</b>	Before overcoating Sikafloor®-17 Pronto allow:		
	<b>Temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	75°F (24°C)	35 minutes	60 minutes

## Waiting / Recoat Times

Before overcoating Sikafloor®-17 Pronto allow:

<u>Temperature</u>	<u>Minimum</u>	<u>Maximum</u>
75°F (24°C)	35 minutes	60 minutes

### 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.

## 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. Refer to Sikafloor MMA detail drawings for specific termination, joint, and cove base details.

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.

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®-17 Pronto. Consult Sikafloor®-13 Technical Data Sheet for specific instructions on priming.

### MIXING

Always pre-mix pails or drums of Sikafloor®-17 Pronto Part R products prior to pouring off into smaller mixes. Failure to do so will result in improper cure. Prior to mixing, record air and substrate temperature. Also record substrate moisture content, atmospheric relative humidity and dew point.

It is important to remember that this coating has a limited pot life. Ensure that all surface preparation is complete and application equipment is in good working order before starting the mixing sequence. If a color is desired or specified, add 4 fl. oz. of Sikafloor Pronto Pigment per gallon of Sikafloor®-17 Pronto Part R.

The addition of 1.5 lbs. or 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®-17 Pronto as a pigmented top 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 silica flour and Sikafloor®-17 Pronto Part H as described below.

Sikafloor®-17 Pronto Part R must be mixed with appropriate amounts of 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 Pronto Hardener per one gallon of Sikafloor®-17 Pronto in accordance with the temperature as shown below:

<u>Temperature</u>	<u>Pronto Hardener Per gallon</u>
32 - 50°F (0-10 °C)	6-4 fl.oz
50 - 68°F (10 -20°C)	4-2 fl.oz
68- 86°F (20 - 30°C)	2-2 fl.oz.

Sikafloor Pronto 17 components should only be mixed just prior to application and used immediately.

## 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. All projections, rough spots, etc should be dressed off to achieve a level surface prior to the topcoat application.

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 natural bristle chip brushes. Immediately roll out material laterally across the application area using a 9" or 18" solvent resistant roller at 100 sq.ft./gallon (15 – 16 wet mils). Do not allow primer to "puddle" or "pond". Use a brush to remove excess material from joints and rough areas.

The material cures very quickly and therefore application must be carried out steadily and "wet on wet" in order to achieve joint free floors. Do not allow Sikafloor Pronto 17 to "puddle" or "pond". Use a brush to remove excess material from rough areas.

Topcoat should be back-rolled immediately to smooth roller overlap marks and any puddles. Allow Sikafloor Sikafloor®-17 Pronto to completely cure. If sanding is required, use 36 - 60 grit open face sand paper on a swing style buffing machine. Sand in two directions to avoid leaving a visible pattern. Thoroughly vacuum entire area paying close attention to perimeter and corners. Apply second coat in the same manner as the first.

## 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 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 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](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.

## 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.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## 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.

## 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](http://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.

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### Product Data Sheet

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