



## PRODUCT DATA SHEET

# Sikalastic®-518 Pronto Topcoat

TWO-COMPONENT FLEXIBLE SEAL COAT FOR INTERIOR AND EXTERIOR AREAS BASED ON REACTIVE ACRYLIC RESINS

### PRODUCT DESCRIPTION

Sikalastic®-518 Pronto Topcoat is a two-component, fast-curing, flexible seal coat based on PMMA resins, serving as the finish top coat of the Sikalastic® Pronto systems.

### WHERE TO USE

Sikalastic®-518 Pronto Topcoat may only be used by experienced professionals.

- Seal coat finish over the broadcast layers in the Sikalastic® Pronto RB-5700 PUMA system for multi-storey and underground car parks, intermediate and exposed decks.
- Suitable for both interior and exterior parking deck traffic applications.

### CHARACTERISTICS / ADVANTAGES

- Very fast curing, even at low temperatures
- Good mechanical and chemical resistance
- Good UV-resistance for exterior exposure
- Solvent-free

### PRODUCT INFORMATION

<b>CSC MasterFormat®</b>	<b>07 18 00   TRAFFIC COATINGS</b>				
<b>Composition / Manufacturing</b>	Reactive acrylic resins				
<b>Packaging</b>	<table border="0"> <tr> <td>Part A: Sikalastic®-518 Pronto Topcoat</td> <td>18.9 L (5 US gal.) pail</td> </tr> <tr> <td>Part B: Sikafloor® Pronto Hardener</td> <td>25 kg (55 lb) bag (sold separately, see Mixing Ratio chart below for dosage)</td> </tr> </table>	Part A: Sikalastic®-518 Pronto Topcoat	18.9 L (5 US gal.) pail	Part B: Sikafloor® Pronto Hardener	25 kg (55 lb) bag (sold separately, see Mixing Ratio chart below for dosage)
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<b>Shelf Life</b>	<p>From date of production:</p> <table border="0"> <tr> <td>Part A: Sikalastic®-518 Pronto Topcoat</td> <td>12 months</td> </tr> <tr> <td>Part B: Sikafloor® Pronto Hardener</td> <td>12 months</td> </tr> </table> <p>Sikafloor® Pronto Hardener must be protected from heat, direct sunlight, moisture and impact.</p>	Part A: Sikalastic®-518 Pronto Topcoat	12 months	Part B: Sikafloor® Pronto Hardener	12 months
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Part B: Sikafloor® Pronto Hardener	12 months				

## Storage Conditions

Sikalastic®-518 Pronto Topcoat and Sikafloor® Pronto Hardener: Store properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between 5 and 30 °C (41 and 86 °F). Materials must be protected from heat, direct sunlight, moisture and impact. The materials should be stored between 18 to 24 °C (65 to 75 °F) for 24 hours prior to use for optimum handling properties. Do not store near open flame or an ignition source.

## Appearance / Colour

Part A: Sikalastic®-518 Pronto Topcoat	Liquid / Transparent, bluish (can be pre-tinted to RAL 7012 Basalt Grey, RAL 7015 Slate Grey or RAL 7046 Telegrey 2. Custom colours available upon request.)
Part B: Sikafloor® Pronto Hardener	Powder / White

## Density

~ 0.98 kg/L (23 °C / 73 °F)

## Solid content by weight

~ 100 %

## Solid content by volume

~ 100 %

## TECHNICAL INFORMATION

### Temperature Resistance

Exposure*	Dry Heat
Permanent	50 °C (122 °F)
Short-term max. 1 hour	60 °C (140 °F)

Short-term heat\* up to 80 °C (176 °F) where exposure is only occasional (steam cleaning etc.)

*\*No simultaneous chemical and mechanical exposure and only in combination with Sikalastic®-511 / -532 Pronto as a broadcast system with approx. 3 - 4 mm thickness.*

### Chemical Resistance

Resistant to many chemicals. Contact Sika technical service for specific information.

## SYSTEMS

### Systems

Please refer to the system Data Sheet of:

- Sikalastic® Pronto RB-5700 PUMA

## APPLICATION INFORMATION

### Mixing Ratio

The amount of Sikafloor® Pronto Hardener required to be added to 9.5 L (2.50 US gal.) or 9.31 kg (20.52 lb) of Sikalastic®-518 Pronto is dependent on the ambient and substrate temperature.

Temperature	Sikafloor® Pronto Hardener (% by weight)
0 °C (32 °F)	559 g (19.7 oz) - (6 %)
10 °C (50 °F)	466 g (16.4 oz) - (5 %)
20 °C (68 °F)	186 g (6.5 oz) - (2 %)
30 °C (86 °F)	93 g (3.2 oz) - (1 %)

The hardener powder can also be ordered under the product name Sikadur® VPC Part B (280 g / 9.87 oz bottle).

<b>Consumption</b>	1.2 - 1.4 m <sup>2</sup> /L (50 - 57 ft <sup>2</sup> / US gal.) at ~ 28 to 32 mil d.f.t./w.f.t. (0.7 mm) depending on the system applied. <i>These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. For detailed info, refer to the system data sheet Sikalastic® Pronto RB-5700 PUMA.</i>		
<b>Ambient Air Temperature</b>	0 °C (32 °F) min. / 30 °C (86 °F) max.		
<b>Relative Air Humidity</b>	~ 80 % R.H. max.		
<b>Dew Point</b>	Beware of condensation! The substrate and uncured floor must be at least 3 °C (5 °F) above dew point to reduce the risk of condensation or blooming on the floor finish.		
<b>Substrate Temperature</b>	0 °C (32 °F) min. / 30 °C (86 °F) max.		
<b>Pot Life</b>	<b>Temperature</b>	<b>Time</b>	
	0 °C (32 °F)	~ 20 minutes	
	10 °C (50 °F)	~ 20 minutes	
	20 °C (68 °F)	~ 15 minutes	
	30 °C (86 °F)	~ 8 minutes	
<b>Curing Time</b>	Before overcoating Sikalastic®-518 Pronto allow:		
	<b>Temperature</b>	<b>Min. Time</b>	
	0 °C (32 °F)	~ 50 minutes	
	10 °C (50 °F)	~ 50 minutes	
	20 °C (68 °F)	~ 40 minutes	
30 °C (86 °F)	~ 30 minutes		
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot Traffic</b>	<b>Full Cure</b>
	0 °C (32 °F)	~ 50 minutes	~ 2 hours
	10 °C (50 °F)	~ 50 minutes	~ 2 hours
	20 °C (68 °F)	~ 40 minutes	~ 1 hour
	30 °C (86 °F)	~ 30 minutes	~ 1 hour

## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

## OTHER DOCUMENTS

- Sikalastic® Pronto RB-5700 PUMA system data sheet
- Sikalastic®-511 Pronto Primer product data sheet
- Sikalastic®-532 Pronto product data sheet
- Sikalastic® Park Deck System Maintenance Guide

## LIMITATIONS

- Freshly applied Sikalastic®-518 Pronto Topcoat must be protected from damp, condensation and water for at least one (1) hour.
- Beware of condensation! The substrate and uncured floor must be at least 3 °C (5 °F) above dew point to

reduce the risk of condensation or blooming on the surface finish.

- Use spark proof mixing equipment for internal applications.
- Always ensure good ventilation when using Sikalastic®-518 Pronto Topcoat in a confined space.
- In order to ensure optimum curing during internal applications the air must be exchanged at least seven (7) times per hour. During application and curing, use a forced fresh air supply / exhausting of fumes with appropriate equipment (spark-free / explosion-proof).
- Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealer coats. Therefore substrate and adjacent areas must be cleaned thoroughly prior to application.
- 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 (packaged or not) should be completely isolated from the flooring works during the application process and until the products are fully cured.
- For exact colour matching, ensure the Sikalastic®-518 Pronto Topcoat in each area is applied from the same control batch number.
- Expect slight sheen and colour variations when placed adjacent to other Sika® Epoxy or Polyurethane topcoat finishes.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- Direct-fired gas or kerosene heaters increase the carbon dioxide content in the air and also produce significant amounts of water vapour. Properly exhaust heaters to the exterior of the building to prevent damage to the work (such as but not limited to whitening, debonding, etc.).

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

For concrete substrate preparation requirements, see product data sheet for Sikalastic®-511 Pronto Primer. Honour moisture and dew point guidelines, as well as recoat time minimum of previously applied Sikalastic®-Pronto layer. Previously applied Sikalastic®-Pronto layer must be thoroughly clean.

## MIXING

Mix part A thoroughly to ensure uniform pigment dispersion, then add the Hardener in the correct quantity and mix for one (1) additional minute. Over mixing must be avoided to minimize air entrainment. For easy of handling, 18.9 L (5 US gal.) units may be split (refer to mixing table). Always measure out components.

**Note:** Factory-blended pigment may settle to bottom of pail over time. To optimize opacity of finished coat, inspect prior to addition of Sikafloor® Pronto Hardener. If unblended paste is discovered, use spatula or other tool to dislodge paste and mix to disperse in resin.

### Mixing Tools:

Important: For indoor work, spark-free mixing equipment must be used (explosion-proof). Sikalastic®-518 Pronto Topcoat must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

## APPLICATION

Prior to application confirm r.h. and dew point. For exterior applications, apply while temperature is falling. If applied during rising temperatures “pin holing” may occur from rising air.

### Seal Coat:

Immediately after mixing, pour the Sikalastic®-518 Pronto Topcoat onto the substrate and spread evenly by means of a lint-free, short-pile roller or squeegee and then back-rolled (crosswise) with a short-pile roller. A seamless finish can be achieved if a ‘wet’ edge is maintained during application.

## CLEAN UP

Clean all tools and application equipment with Sika® Urethane Cleaner and Thinner immediately after use. Hardened and/or cured material can only be removed mechanically.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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, within their shelf life. 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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### **Other locations**

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### **Product Data Sheet**

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