BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET
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TRAFFIC COATINGS

Sikalastic®-518 Pronto Topcoat

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

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 RB-5700 PUMA system.
Where to Use	▪ Seal coat finish over the broadcast layers in the Sikalastic® Pronto RB-5700 PUMA system for multi-storey and underground carparks, intermediate and exposed decks. ▪ Suitable for both interior and exterior parking deck traffic applications.
Advantages	▪ Very fast-curing, even at low temperatures ▪ Good mechanical and chemical resistance ▪ Good UV-resistance for exterior exposure ▪ Solvent-free
Approvals / Standards	▪ Certificate of conformity, 40893 U15, Isega Germany, October 2015 ▪ Synthetic resin screed material according to EN 13813:2002, Declaration of Performance 02 08 01 05 008 0000004 1131 ▪ Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 02 08 01 05 008 0000004 1131, certified by notified factory production control certification body no. 0921, certificate of conformity of the factory production control no. 1119

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins	
Packaging	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)
Apparence / Colour	Part A	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	Powder / White
Shelf Life	From date of production:	
	Part A	12 months
	Part B	6 months
	Sikafloor® Pronto Hardener must be protected from heat, direct sunlight, moisture and impact.	
Storage Conditions	Sikalastic®-518 Pronto Topcoat and Sikafloor® Pronto Hardener: Stored 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.	
Density	~ 0.98 kg/L (23 °C / 73 °F)	
Solid Content (by volume)	~ 100 %	
Solide Content (by weight)	~ 100 %	

TECHNICAL INFORMATION

Chemical Resistance	Resistant to many chemicals. Contact Sika Canada for more information.

SYSTEM INFORMATION

Systems	Please refer to the system Data Sheet of: Sikalastic® Pronto RB-5700 PUMA RAPID-CURING, WATERPROOFING SYSTEM FOR HIGH TRAFFIC PARKING DECK APPLICATIONS

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)

Consumption	1.2 - 1.4 m^2/L (50 - 57 ft^2/ US gal.) at ~ 28 to 32 mil d.f.t./w.f.t. (0.7 mm) depending on the system applied. *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, please refer to the system data sheet Sikalastic® Pronto RB-5700 PUMA.*
Relative Air Humidity	~ 80 % R.H. max.
Dew Point	**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.
Substrate Temperature	0 °C (32 °F) min. / 30 °C (86 °F) max.

Pot Life	**Temprature**	**Time**	
	0 °C (32 °F)	~ 20 minutes	
	10 °C (50 °F)	~ 20 minutes	
	20 °C (68 °F)	~ 15 minutes	
	30 °C (86 °F)	~ 8 minutes	
Curing Time	Before overcoating Sikalastic®-518 Pronto allow:		
	Température	**Min. Time**	
	0 °C (32 °F)	~ 50 minutes	
	10 °C (50 °F)	~ 50 minutes	
	20 °C (68 °F)	~ 40 minutes	
	30 °C (86 °F)	~ 30 minutes	
Applied Product Ready for Use	**Température**	**Foot traffic**	**Full cure**
	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

HOW TO USE

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 (please refer to mixing table). Always measure out components.

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.

Limitations

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

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

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FOR INDUSTRIAL USE ONLY

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