BUILDING TRUST

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 RB-5700 PUMA system.

USES

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 carparks, 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

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 0921, certificate of conformity of the factory production control 1119.

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins	
Packaging	Part A: Sikalastic®-518 Pronto Topcoat	5 US gal. (18.9 L) pail
	Part B: Sikafloor® Pronto Hardener	55 lb (25 kg) bag (sold separately, see Mixing Ratio chart below for dosage)
Appearance / Color	Part A: Sikalastic®-518 Pronto Topcoat	Liquid available in Sika Deckpro Standard colors; Gray, Charcoal, Tan, & Dark Gray. Custom colours available upon request.)
	Part B: Sikafloor® Pronto Hardener	Powder / White

Shelf Life

From date of production in original, unopened containers:

Part A: Sikalastic®-518 Pronto Topcoat	12 months
Part B: Sikafloor® Pronto Hardener	12 months

Sikafloor® Pronto Hardener must be protected from heat, direct sunlight, moisture and impact.

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 41°F and 86 °F (5°C and 30 °C). Materials must be protected from heat, direct sunlight, moisture and impact. The materials should be stored between 65°F to 75 °F (18°C to 24 °C) 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 mass

~ 100 %

Solid content by volume

~ 100 %

TECHNICAL INFORMATION

Chemical Resistance

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

Thermal Resistance

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

Short-term heat* up to 176 °F (80 °C) 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. 171- 191 mil thickness.*

SYSTEM INFORMATION

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 2.50 US gal. (9.5 L) or 20.52 lbs (9.31 kg) of Sikalastic®-518 Pronto is dependent on the ambient and substrate temperature.

Temperature	Sikafloor® Pronto Hardener (% by weight)
32 °F (0 °C)	1.23 lbs (559 g) - (6 %)
50 °F (10 °C)	1.03 lbs (466 g) - (5 %)
68 °F (20 °C)	0.41 lbs (186 g) - (2 %)
86 °F (30 °C)	0.21 lbs (93 g) - (1 %)

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

Coverage

50 - 57 ft²/ US gal. (1.2 - 1.4 m²/L) 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, refer to the system data sheet Sikalastic® Pronto RB-5700 PUMA.
Ambient Air Temperature	32 °F (0 °C) min. / 86 °F (30 °C) max.
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	32 °F (0 °C) min. / 86 °F (30 °C) max.

Pot Life

Temperature	Time
32 °F (0 °C)	~ 20 minutes
50 °F (10 °C)	~ 20 minutes
68 °F (20 °C)	~ 15 minutes
86 °F (30 °C)	~ 8 minutes

Cure Time

Before overcoating Sikalastic®-518 Pronto allow:

Temperature	Min. Time
32 °F (0 °C)	~ 50 minutes
50 °F (10 °C)	~ 50 minutes
68 °F (20 °C)	~ 40 minutes
86 °F (30 °C)	~ 30 minutes

Applied Product Ready for Use

Temperature	Foot Traffic	Full Cure
32 °F (0 °C)	~ 50 minutes	~ 2 hours
50 °F (10 °C)	~ 50 minutes	~ 2 hours
68 °F (20 °C)	~ 40 minutes	~ 1 hour
86 °F (30 °C)	~ 30 minutes	~ 1 hour

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.

AVAILABILITY/WARRANTY

- Sikalastic® Pronto RB-5700 PUMA system data sheet
- Sikalastic®-511 Pronto Primer product data sheet
- Sikalastic®-532 Pronto product data sheet

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 5 ˚F (3 °C) 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.
- Fossil fuel heaters can produce large quantities of both

CO_2 and H_2O water vapour, which may adversely affect the finish. For heating consider using only electric powered warm air blower systems.

ENVIRONMENTAL, HEALTH AND SAFETY

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.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

For concrete substrate preparation requirements, see product data sheet for Sikalastic®-511 Pronto Primer. Follow 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

Pre-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 ease of handling, 5 US gal. (18.9 L) units should be split in half to 2.5 (9.5 L) US gal (refer to mixing table). Always measure & weigh 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 mixer (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, phenolic resin core roller or squeegee and then back-rolled (crosswise) with a 3/8" nap phenolic resin core roller. A seamless finish can be achieved if a ‘wet’ edge is maintained during application.

CLEANING OF TOOLS

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

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

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

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537