



## PRODUCT DATA SHEET

# Sikalastic®-748 PA

Two-component, low odor, polyaspartic top coat/sealer

### PRODUCT DESCRIPTION

Sikalastic®-748 PA is a two component, aliphatic, chemically cured, low VOC, polyaspartic coating intended for use as the clear traffic bearing top coat over decorative aggregate or vinyl flake surfacing as part of pedestrian and vehicular traffic bearing applications. Sikalastic®-748 PA can also be used as a pigmented traffic bearing top coat over a fully broadcasted kiln-dried quartz aggregate surfacing.

### USES

Sikalastic®-748 PA may only be used by experienced professionals.

- Multi-story parking garages
- Parking decks and ramps
- Foot bridges and walkways
- Mechanical rooms
- Stadiums and arenas
- Plaza and rooftop decks
- Balconies

### CHARACTERISTICS / ADVANTAGES

- Superior color and gloss retention and cleanability
- Outstanding resistance to abrasion and wear
- Impervious to water and deicing salts
- UV-resistant clear sealing coat
- Custom colors available

### PRODUCT INFORMATION

|                                |  |                         |                          |
|--------------------------------|--|-------------------------|--------------------------|
| <b>Packaging</b>               | 4 gal. unit (2 gal. cans Part A and 2 gal. cans Part B)                                  |                         |                          |
| <b>Shelf Life</b>              | 1 year in original, unopened containers.   |                         |                          |
| <b>Storage Conditions</b>      | Store dry at 40–95 °F (4–35 °C). Condition material to 65–85 °F (18–30 °C) before using. |                         |                          |
| <b>Solid content by volume</b> | <b>748 PA Clear</b>  | <b>748 PA Pigmented</b> | (ASTM D-2697)            |
|                                | 78 %   | 80 %                    | 75 °F (24 °C)<br>50 % RH |

|   |                     |                         |  |
|---|---------------------|-------------------------|--|
| Volatile organic compound (VOC) content | <b>748 PA Clear</b> | <b>748 PA Pigmented</b> | (ASTM D-2369-81)<br>75 °F (24 °C)<br>50 % RH |
|   | 61.29 g/l           | 95 g/l                  |  |
| Viscosity                               | <b>748 PA Clear</b> | <b>748 PA Pigmented</b> | 75 °F (24 °C)<br>50 % RH                     |
|   | 200 +/- 50 cps      | 200-300 +/- 50 cps      |  |

## TECHNICAL INFORMATION

|                     |                            |                         |   |
|---------------------|----------------------------|-------------------------|---|
| Shore D Hardness    | <b>748 PA Clear</b>        | <b>748 PA Pigmented</b> | (ASTM D-2240)<br>75 °F (24 °C)<br>50 % RH       |
|                     | 50 +/- 5                   | 50 +/- 5                |   |
| Tensile Strength    | <b>748 PA Clear</b>        | <b>748 PA Pigmented</b> | (ASTM D-412)<br>75 °F (24 °C)<br>50 % RH        |
|                     | 2500 +/- 300 psi           | 2300 +/- 300 psi        |   |
| Elongation at Break | <b>748 PA Clear</b>        | <b>748 PA Pigmented</b> | (ASTM D-412)<br>75 °F (24 °C)<br>50 % RH        |
|                     | 75 +/- 25 %                | 50 +/- 20%              |   |
| Tear Strength       | <b>748 PA Clear</b>        | <b>748 PA Pigmented</b> | (Die C, ASTM D-624)<br>75 °F (24 °C)<br>50 % RH |
|                     | 300 +/- 50 pli             | 300 +/- 50 pli          |   |
| Chemical Resistance | Resistant to deicing salts |                         |   |

## APPLICATION INFORMATION

|          |   |                         |                          |
|----------|---|-------------------------|--------------------------|
| Coverage | 170 sf/gal. @ 9 wet mils (7 dry mils)   |                         |                          |
|          | 120 sf/gal. @ 13 wet mils (10 dry mils) |                         |                          |
| Pot Life | <b>748 PA Clear</b>                     | <b>748 PA Pigmented</b> | 75 °F (24 °C)<br>50 % RH |
|          | 45–60 minutes                           | 45–60 minutes           |                          |

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

Surface must be clean, dry and sound. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application. Remove all loose aggregate and vinyl flakes.

### MIXING

Premix Sikalastic® 748 PA Part A and Part B before combining. Add equal amounts of Part B to Part A while mixing using a mechanical mixer (Jiffy) at medium speed. Mix until a homogenous mixture and uniform color is obtained (typically 3 minutes) and mix frequently during application to maintain uniform color. Scrape the sides of the container to ensure that no unmixed material remains and use care not to whip air into the material as this may result in pinhole blisters or shortened pot life. Do not dilute under any circumstances.

### APPLICATION

Apply at the recommended coverage rate and backroll using a 3/16" phenolic resin core roller or mohair roller.

**Removal:** Remove liquid coating immediately with dry cloth. Once cured, coating can only be removed by mechanical means.

### LIMITATIONS

- Do not store materials outdoors exposed to sunlight for prolonged periods.
- To avoid dew point conditions during application, relative humidity must be no more than 95 % and substrate temperature must be at least 5 °F (3 °C) above measured dew point temperatures.
- Minimum ambient and substrate temperature during application and curing of material is 40 °F (4 °C); maximum is 90 °F (32 °C).
- Do not thin with solvents.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various Sika product solutions). Surface irregularities may reflect though the

cured system.

- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure. Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface.
- Do not proceed if rain is imminent within 8–12 hours of application. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.
- When applying over existing coatings compatibility and adhesion testing is recommended.
- Opening to traffic prior to final cure may result in loss of aggregate, or permanent staining and subsequent premature failure.
- Vehicle fluids, some high performance tires, and some foods and beverages can stain the coating. Spills should be removed promptly as the coating can in some cases be damaged from prolonged exposure.
- Precautions should be taken to prevent vapors and/or odors from entering the building/structure, including but not limited to turning off and sealing air intake vents and through-wall air conditioners, and other means of vapor/odor ingress during application and cure. Do not subject to continuous immersion.
- Aggregate or vinyl flake embedment coat must be kept clean and recoated within 72 hours. If this window is exceeded, contact Sika for recommendations.
- Mockups to verify application methods and substrate conditions as well as desired skid resistance and aesthetics are highly recommended.

any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## 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

## 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.

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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**Product Data Sheet**  
**Sikalastic®-748 PA**  
August 2018, Version 01.01  
020812040020000031

Sikalastic-748PA-en-US-(08-2018)-1-1.pdf

