PRODUCT DATA SHEET

Sikalastic®-624 WP

SINGLE COMPONENT ALKALI RESISTANT SATURATING RESIN FOR SIKALASTIC® ROOFPRO WATER-PROOFING SYSTEMS

PRODUCT DESCRIPTION
Sikalastic®-624 WP is a cold applied, highly elastic, aliphatic, single component, alkali resistant, moisture-triggered polyurethane resin designed for easy application as part of Sikalastic® RoofPro waterproofing systems.

USES
▪ Embedment and top resin for Sikalastic® RoofPro systems reinforced with Sika Reemat
▪ Saturating resin for Sikalastic® RoofPro systems reinforced with Sika Fleece
▪ Typically applied in Sikalastic® RoofPro Direct, Plaza, and Vegetated systems for both new construction and refurbishment
▪ Ideal for applications involving cementitious overlays and tile mortar

CHARACTERISTICS / ADVANTAGES
▪ Proven technology with over 30 year track record
▪ Single component - no mixing and ready to use
▪ Fully reinforced with highly conformable Sika Reemat or Sika Fleece
▪ Moisture-triggered chemistry that is rapidly weatherproof after application
▪ Highly elastic and crack bridging
▪ Seamless and fully adhered
▪ Vapor permeable
▪ UV resistant and non-yellowing
▪ Abrasion and chemical resistant
▪ Alkali resistant formulation

APPROVALS / STANDARDS
▪ Miami Dade County approved: NOA No.: 15-0113.01
▪ Meets ASTM E-108-00 Spread of Flame: Class A at a slope of 1:12

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Chemical Base</th>
<th>Moisture triggered Polyurethane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>5 gal. (19 L) pail</td>
</tr>
<tr>
<td>Appearance / Color</td>
<td>White (RAL 9016), Pearl Gray</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>9 months (Unopened Container)</td>
</tr>
<tr>
<td>Storage Conditions</td>
<td>Store dry between 35 °F and 77 °F (2–25 °C). Condition material to 50–77 °F (10–25 °C) before using for ease of application</td>
</tr>
<tr>
<td>Density</td>
<td>10.8 lb./gal. (1294 kg/m³)</td>
</tr>
</tbody>
</table>
Solid content by volume 71 % (ASTM D-2697)
Volatile organic compound (VOC) content 209 g/l (ASTM D-2369-81)

TECHNICAL INFORMATION

Tensile Strength Ref. reinforced system data (ASTM D-751)
Elongation at Break Ref. reinforced system data (ASTM D-751)
Resistance to Static Puncture Ref. reinforced system data (ASTM D-5602)
Chemical Resistance Most common roofing contaminants, oils, grease, dilute acids and bases

APPLICATION INFORMATION

Coverage

<table>
<thead>
<tr>
<th>Sika Reemat</th>
<th>Sika Fleece</th>
</tr>
</thead>
<tbody>
<tr>
<td>53 sf/gal - 30 mils wet film thickness</td>
<td>15sf/gal - 105 mils wet film thickness</td>
</tr>
<tr>
<td>40 sf/gal - 40 mils wet film thickness</td>
<td>19 sf/gal - 85 mils wet film thickness</td>
</tr>
<tr>
<td>35 sf/gal - 45 mils wet film thickness</td>
<td>23 sf/gal - 70 mils wet film thickness</td>
</tr>
</tbody>
</table>

NOTE: Coverage rates are optimal - coverage rates will vary depending on temperature, surface roughness and porosity, and application technique.

Ambient Air Temperature 41 °F (5 °C) min. / 95 °F (35 °C) max.
Relative Air Humidity 80 % R.H. max.
Dew Point Beware of condensation.
The substrate and uncured coating must be ≥ 5 °F (3 °C) above dew point.
Substrate Temperature 41 °F (5 °C) min. / 140°F (60°C) max.
Substrate Moisture Content ≤ 4 % moisture content Test method: Sika®-Tramex meter
No rising moisture according to ASTM (Polyethylene-sheet)

Pot Life Sikalastic®-624 WP is designed for fast curing. High temperatures combined with high air humidity will increase the curing process. Thus, material inopened containers should be applied immediately. In opened containers, the material will form a film after 1 hour approx. ( at 75 °F (24 °C) and 50 % R.H.)

Cure Time

<table>
<thead>
<tr>
<th>Ambient conditions</th>
<th>Minimum waiting time overcoating</th>
</tr>
</thead>
<tbody>
<tr>
<td>+40 °F / 50 % r.h.</td>
<td>14 hours</td>
</tr>
<tr>
<td>+50 °F / 50 % r.h.</td>
<td>6 hours</td>
</tr>
<tr>
<td>+70 °F / 50 % r.h.</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

*After 7 days the surface must be cleaned and primed with Sika® Reactivation Primer before continuing.
Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Applied Product Ready for Use

<table>
<thead>
<tr>
<th>Ambient conditions</th>
<th>Rain resistant</th>
<th>Touch dry</th>
<th>Full cure</th>
</tr>
</thead>
<tbody>
<tr>
<td>+40 °F / 50 % r.h.</td>
<td>10 min.</td>
<td>12 hours</td>
<td>24 hours</td>
</tr>
<tr>
<td>+50 °F / 50 % r.h.</td>
<td>10 min.</td>
<td>6 hours</td>
<td>18–24 hours</td>
</tr>
<tr>
<td>+70 °F / 50 % r.h.</td>
<td>10 min.</td>
<td>4 hours</td>
<td>12–18 hours</td>
</tr>
</tbody>
</table>

Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.
APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All substrate surfaces shall be clean, dry and sound. Acceptable substrates include: sound concrete and cementitious screed, metals, wood, modified bitumen, mineralized felt, EPDM, hypalon, TPO, sprayed polyurethane foam, brick and stone, slate and tile, and existing liquid applied membranes. Reference separate System Data Sheet for specific surface preparation requirements.

Primer
Apply primer of a type suitable for the substrate. Allow primer to cure completely before applying Sikalastic®-624 WP resin. Reference separate System Data Sheet for specific primer recommendations.

MIXING

No mixing necessary

APPLICATION

Sika Reemat - Base Resin
Apply Sikalastic®-624 WP resin to the primed substrate surface by means of 1/2” (12.7 mm) nap phenolic resin core roller or brush at the specified application rate to achieve a uniform and consistent wet mil thickness (reference separate System Data Sheet). Material can also be squeegee or spray applied, in which case it should also be backrolled. Apply Sika Reemat into the wet embedment resin and roll the scrim to achieve full saturation and embedment. Reemat shall be cut to conform to substrate transitions and flashing conditions, with a typical 2” (50.8 mm) reinforcement overlap. Resin shall saturate the Reemat from below. Apply additional Sikalastic®-624 WP resin as required to ensure full scrim saturation and an even resin application.

Sika Reemat - Intermediate and Top Resin
Apply Sikalastic®-624 WP resin to the cured Sikalastic®/Reemat base layer by means of 1/2” (12.7 mm) nap phenolic resin core roller or brush to the specified application rate to achieve a uniform and consistent wet mil thickness (reference separate System Data Sheet). Material can also be squeegee or spray applied, in which case it should also be backrolled. Allow to cure completely before applying subsequent resin layers.

Sika Fleece
Apply Sikalastic®-624 WP resin to the primed substrate surface by means of 1/2” (12.7 mm) nap phenolic resin core roller or brush to achieve a uniform and consistent thickness, applying approximately 2/3 of the resin required to achieve the specified application rate (reference separate System Data Sheet). Apply Sika Fleece into the wet embedment resin and roll the fleece to achieve partial saturation and full embedment. Fleece shall be cut to conform to substrate transitions and flashing conditions, with typical 3” (76.2 mm) side and 6” (152.4 mm) end reinforcement overlaps. Resin shall saturate the Fleece from below. Apply remaining 1/3 of the specified resin quantity to ensure full fleece saturation and an even resin application.

CLEANING OF TOOLS

Clean all tools and application equipment with appropriate solvent immediately after use. Hardened and/or cured material can only be removed mechanically

LIMITATIONS

- Minimum age of concrete must be 28 days depending on curing and drying conditions.
- Do not thin with solvents.
- Do not store materials outdoors exposed to sunlight and moisture for prolonged periods.
- Do not apply to substrate surfaces where moisture vapor transmission will occur during application and cure. This condition may be checked using ASTM D-4263 (Polyethylene Sheet method).
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface.
- Allow sufficient time for the substrate to dry after rain or inclement weather, as there is the potential for bonding problems.
- On substrates likely to exhibit outgassing apply during falling ambient and substrate temperature.
- If applied during rising temperature pinholing may occur.
- Use sunglasses with UV filter when applying highly reflective white resins.
- Do not use for indoor applications.
- 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 throughwall air conditioners, and other means of vapor/odor ingress during application and cure.
- For areas with direct exposure to heavy or frequent foot traffic, an additional wear coat protection with slip resistant aggregate is required. Opening to traffic prior to cure may result in loss of aggregate or permanent staining and subsequent premature failure.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various product solutions). Surface irregularities may reflect through the cured system.
- When applying over existing coatings or membranes compatibility and adhesion testing, and subsequent approval by Technical Services is required.
- Opening to traffic prior to cure may result in loss of aggregate or permanent staining and subsequent premature failure.
- On grade concrete decks should not be covered with reflective white resins.
Sikalastic® RoofPro membrane systems.
• Unvented metal pan, split/sandwich slab with encapsulated membrane and/or insulation, cinder fill decks, and lightweight insulating concrete overlays should not be covered with
• Sikalastic® RoofPro membrane systems without additional deck evaluation and subsequent approval by Technical Services.
• Do not subject to continuous immersion.
• Not recommended for use over ceramic tile.

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 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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