BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic® Rapid 724

Two-component polymethyl methacrylate-based (PMMA) liquid resin

PRODUCT DESCRIPTION

Sikalastic® Rapid 724 is a two-component polymethyl methacrylate-based (PMMA) liquid resin used in flashing applications. Sikalastic® Rapid 724 is used with Sikalastic Rapid Fleece and cures to form a monolithic reinforced flashing membrane.

USES

Liquid resin used for flashing roofing details

AREAS OF APPLICATION

- Details that are difficult to flash with a sheet
- Angle Iron
- H-Beam / I-Beam
- Close Multiple Conduits
- Exposed Flashings
- Membrane Termination

CHARACTERISTICS / ADVANTAGES

- Compatible with Sika membranes
- High performance liquid flashing solution for complex details
- Fleece reinforced flashing system for strength and durability

PRODUCT INFORMATION

Chemical Base	Two-component polymethyl methacrylate (PMMA) liquid resin
Packaging	2.5 gallon (9.8 L) pails, 26.5 lbs (12 kg) per pail, 60 pails per pallet
Color	Traffic White and Pebble Gray
Shelf Life	Up to 12 months in the original unopened pail when properly stored, sealed and unmixed.
Storage Conditions	Store in a tightly closed container in a cool, dry, ventilated area away from heat and oxidizing agent. Do not store in direct sunlight or in temperatures below 55°F (13°C) or above 80°F (27°C). Keep away from open fire, flame or any ignition source.
Volatile organic compound (VOC) content	See Product Safety Data Sheet

TECHNICAL INFORMATION

Shore A Hardness	70	(ASTM D-2240)
Resistance to Static Puncture	56 lbf (249 N)	(ASTM D-5602)
Tensile Strength	70 lbf (12.3 kN/m) peak load @ 73°F (23°C)	(ASTM D-5147)
Dimensional Stability	0.1 %	(ASTM D-5147)
Tear Strength	80 lbf (356 N)	(ASTM D-5147)
Water Absorption	0.8%	(ASTM D-570)
Low Temperature Bend	-33°F (-36.1°C)	(ASTM D-7264)
Elongation at break	55% Elongation @ peak load	(ASTM D-5147)

APPLICATION INFORMATION

Mixing Ratio

Temperature Range	Catalyst required (per liter of resin)
50°F to 68°F (10°C to 20°C)	5 tablespoons (50 g)
68°F to 95°F (20°C to 35°C)	2.5 tablespoons (25 g)

Mixing ratio catalyst quantity is dependent on the ambient temperature.

Coverage

APPROXIMATE COVERAGE RATES

SUBSTRATE PROFILE	BASE COAT *mils(mm)*	TOP COAT *mils(mm)*	TOTAL THICKNESS *mils(mm)*	COVERAGE PER 2.5 GAL PAIL *ft² (m²)*
SMOOTH *(CPS 1)*	63 (1.6)	35 (0.9)	98 (2.5)	42 (3.9)
TYPICAL *(CPS 3-4)*	71 (1.8)	35 (0.9)	106 (2.7)	40 (3.7)
SBS GRANULATED SHEET *(CSP 5)*	87 (2.2)	35 (0.9)	122 (3.1)	34 (3.2)
ROUGH *(CSP 6)*	105 (2.7)	35 (0.9)	140 (3.6)	30 (2.8)

All values are nominal. Coverage rates may vary depending on substrate conditions and the application technique. Wet and dry thicknesses are always equivalent.

Product Temperature	50°F to 86°F (10°C to 30°C)
Ambient Air Temperature	50°F to 95°F (10°C to 35°C)
Substrate Temperature	50°F to 122°F (10°C to 50°C)
Pot Life	15 to 20 minutes All working and cure times are approximate and may vary upon wind, humidity and ambient/surface temperatures
Cure Time	3 to 6 hours @ 75°F (24°C) All working and cure times are approximate and may vary upon wind, humidity and ambient/surface temperatures
Waiting / Recoat Times	60 to 90 minutes All working and cure times are approximate and may vary upon wind, humidity and ambient/surface temperatures

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

AVAILABILITY

From Sika Corporation – Sika Authorized Applicators for use within Sika membrane systems.

WARRANTY

Upon successful completion of the installation by the Sika Authorized Applicator in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator. This product is covered under Sika Corporation warranties up to twenty (20) years in duration.

LIMITATIONS

- Precautions should be taken to prevent odors and/or vapors from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odors and/or vapors into the building/structure during product application and cure.
- Must be mixed with Sikalastic Rapid Catalyst to induce curing of material. Mixing of this product with Sikalastic Rapid Catalyst may generate excess heat, USE CAUTION. Please refer to the product Safety Data Sheet (SDS) for additional information.
- Apply Sikalastic® Rapid 724 when ambient temperatures are between 50 to 95°F (10 to 35°C) and substrate temperatures are between 50 to 122°F (10 to 50°C). Product temperature should be between 50 to 86°F (10 to 30°C).
- Apply Sikalastic® Rapid 724 while ambient temperatures remain 5 degrees above the dew point.
- Do not use in applications where the surface of the detail will exceed 150°F (65°C) (e.g. hot stacks).
- Sikalastic® Rapid 724 cannot be used as a substitute where common standard membrane details are used and will provide equal to or better water tightness than the Liquid Flashing solution.
- Sikalastic® Rapid 724 cannot be used to flash to glass or windows.
- Sikalastic® Rapid 724 cannot be painted.

Note:

For Sika PVC application, refer to Technical Bulletin 19-02 Sikalastic Rapid (PMMA) Detailing Guide

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surfaces must be dry, clean and free from loose particles, formwork residues, curing products, irregularities, grouts, etc. In most cases Sikalastic® Rapid Primer ASP is required before applying Sikalastic® Rapid 724

Note:
For Sika PVC application, refer to Technical Bulletin 19-02 Sikalastic Rapid (PMMA) Detailing Guide

MIXING

Thoroughly stir the entire container of Liquid resin with a slow-speed (200 to 400 rpm) mechanical mixer (electric drill with a mixing blade) for two to three minutes before each use, and prior to pouring off resin into a second container if batch mixing. Only catalyze the amount of material that can be used within 10 to 15 minutes. Add pre-measured Catalyst Powder to the resin component, stir for two minutes. The amount of catalyst required is determined by resin weight and ambient temperature.

APPLICATION

After mixing, apply catalyzed resin to clean and prepared substrate at the required consumption using rollers, brushes or notched squeegees. The resin should be spread evenly onto the surface using care not to spread too thin or pool in low areas.

Note:
For Sika PVC application, refer to Technical Bulletin 19-02 Sikalastic Rapid (PMMA) Detailing Guide

MAINTENANCE

MAINTENANCE

Standard maintenance of Sika roofing systems should include regular inspections of flashings, drains, and termination sealants at least twice a year and after each storm.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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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