

PRODUCT DATA SHEET

Sikalastic® Rapid Mortar

High-performance, rapid-setting, resin-mortar

PRODUCT DESCRIPTION

Sikalastic® Rapid Mortar is a rapid setting, polymethyl methacrylate (PMMA) resin-mortar. Sikalastic® Rapid Mortar requires Sikalastic® Rapid Mortar Part B to obtain the correct consistency. Sikalastic® Rapid Mortar is then combined with Sikalastic Rapid Catalyst PMMA to induce curing.

USES

Used as a thick concrete patch prior to application of Sikalastic Rapid PPMA systems or Liquid Flashing systems. Also, used as a traffic wear surfacing applied over Sikalastic Rapid PPMA reinforced and unreinforced waterproofing systems

CHARACTERISTICS / ADVANTAGES

- High-performance, UV-stable
- Abrasion-resistant topcoat
- Rapid curing and easy application provides same-day installation
- Excellent chemical and corrosion resistance
- Aggregate-infused formula for added durability for high traffic areas

PRODUCT INFORMATION

Chemical Base	polymethyl methacrylate (PMMA) liquid resin	
Packaging	2.5 gallon (9.4 L) pails, 22lb (10 kg) per pail	
Color	Gray	
Shelf Life	Sikalastic® Rapid Mortar has a shelf life of 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.	
Density	53.7 @ 73.4°F (23°C)	ASTM D1425
Flash Point	73.4°F (23°C)	
Volatile organic compound (VOC) content	5.0 g/L	

TECHNICAL INFORMATION

Testing	91 @ 73.4°F (23°C)	ASTM D2240
Abrasion Resistance	203 mg (0.00045 lb)	ASTM D4060 4" disc

Mixing Ratio

Temperature Range	Catalyst required (per Liter of resin)
50°F - 68° F (10°C - 20°C)	3 tablespoons (31 g)
68°F - 95° F (10°C - 20°C)	1.5 tablespoons (16 g)

Sikalastic Rapid Mortar requires combining one container of Sikalastic Rapid Mortar (2.5 Gal) with one bag of Sikalastic Rapid Mortar Part B (55 Lb), creating a 72 Lb work pack.

Catalyst quantity will range from 2 – 6% (by weight), dependent on the ambient temperature.

Coverage	SUBSTRATE	COVERAGE PER	TOTAL THICKNESS
	PROFILE	72 LB WORK PACK	
	Smooth (CPS-3)	80 sqft (7.4 m ²)	79 mils(2.0 mm)
	Typical (CPS-4)	77 sqft (7.2 m ²)	83 mils(2.1 mm)
	Rough (CPS-5)	74 sqft (6.9 m ²)	87 mils(2.2 mm)

Ambient Air Temperature	50°- 95°F (10°- 35°C)
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Pot Life	10 - 15 minutes @ 68°F (20°C) All working and cure times are approximate and may vary upon wind, humidity, and ambient/ surface temperatures.
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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 – Authorized Applicators for use within Hydrotech systems.

WARRANTY

Upon successful completion of the installed roof 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.

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

All work surfaces should be clean, dry, free of dirt, dust, debris, oils and other contaminants.

MIXING

Thoroughly mix the entire pail of Sikalastic® Rapid Mortar (resin) for 2-3 minutes. Remove the Sikalastic® Rapid Mortar Part B from the 7-gallon plastic pail, then pour Sikalastic® Rapid Mortar A into the 7-gallon plastic pail. Using a slow-speed (200-400 rpm) mechanical mixer with a spiral agitator, slowly add the entire bag of Sikalastic® Rapid Mortar Part B. Continue mixing for 2-5 minutes or until a smooth lump-free mortar is achieved.

APPLICATION

Only catalyze the amount of material that can be applied within 10-15 minutes. Add Sikalastic Rapid Catalyst PMMA based on published catalyst mixing rates. Once the catalyst is added to the mortar, mix for 2-3 minutes. Apply the mortar to clean, prepared and primed substrate at the required coverage rate using a pin roller, stub roller, steel v-notch trowel or steel rake. Mortar should be uniformly spread across the substrate and rolled with a pin roller to knock down any high spots.

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Product Data Sheet

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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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