



THERMOTEK PRO ACRYLIC MASTIC



DESCRIPTION

THERMOTEK PRO ACRYLIC MASTIC is a synthetic fiber reinforced elastomeric acrylic for use on critical points of a roof, such as: skylights, vertical seams on metal roofs, vents, drains, protrusions, cracks, around flashing, etc. It has a paste-like consistency.

PROPERTIES:

Physical Property	Test Method (ASTM)	Value
VOC Content	ASTM D-3960	<50 g/L
Viscosity, cps	ASTM D-2196	110000 +/- 10000
Density (lb/gal)	ASTM D-1475	12.0 +/- 0.5
Appearance	INTERNAL	Paste-like
Type	INTERNAL	Elastomeric acrylic sealer
Color	INTERNAL	White
Solids by weight, %	ASTM D-1644	70 ± 2
Elongation, %	ASTM D-412	Depends on thickness
Dying time for water resistance	ASTM D-1640	6 Hours
Total Dryingtime	ASTM D-1640	7 days
Fungus Resistance	ASTM G-21	Approved
PH	ASTM E-70	9,0 ± 0,5

BENEFITS

- Excellent resistance to weathering
- High resistance to mold and mildew
- Can be used to fill-in small cracks and imperfections
- Excellent for fastening screws and details on metal roofs

SUBSTRATES

- Metal
- Sprayed Polyurethane Foam (SPF)
- Acrylic Roof Coatings
- Concrete
- Stucco
- Mortars
- Modified Bitumen Membranes (torch and self adhesive granulated finish membranes)
- Asphalt Build-up Surfaces
- Asphalt Roof Systems

APPLICATION TOOLS

3" paint brush, trowel, putty knife and/or spatula.

SURFACE PREPARATION

ALL ROOFS: If some areas hold excessive ponding water, they must be brought into conformance by installing proper drains. Roof surface must be clean, dry and free of any oil, grease, dirt and any other contaminants that could interfere with the proper adhesion to the substrate (pressure washing is recommended). If the roof contains grease spills, use mineral spirits and mop thoroughly. Any loose coating must be removed. Ensure the substrate is structurally sound, fully cured and dry. Perform adhesion test(s) (also known as Pull Test(s)) on the substrate. Pull Test(s): Apply a generous coat of THERMOTEK PRO ROOF COATING on the surface with a brush, a minimum of 6" (15 cm) long and 3" (7.5 cm) wide. Immediately embed a minimum of 1"-2" (2.5 cm - 5 cm) wide strip of THERMOTEK PRO ROOFING MESH while leaving at least 3" of the length of the mesh uncoated. Apply a second coat on top of the embedded strip section. Allow 48 hours to dry before trying the pull test. Pull the uncoated end of the mesh straight up. If the pull test exhibits good adhesion, continue with the application. If the test shows poor adhesion, redo the preparation and check that the correct system is being used.

METAL ROOFS: All rusted areas shall be mechanically abraded and corroded/deteriorated metal shall be replaced. A rust inhibitor should be used before applying THERMOTEK PRO PRIMER.

MODIFIED BITUMEN / ASPHALT BUILT UP ROOFS: Remove all the loose granules/sand with a brush and dispose of the waste (vacuum is an option for waste removal). To avoid yellowing of the top coat, use a yellowing inhibitor over the entire roof surface before applying THERMOTEK PRO ACRYLIC PRIMER. New asphalt shall be exposed to ambient conditions for 90 to 120 days before coating.

MIXING

Product is ready for use.

APPLICATION STEPS

Visit www.thermotekpro.com for short instructional videos

1) PREP

- Complete proper surface preparation. Prime substrate with THERMOTEK PRO ACRYLIC PRIMER (consult THERMOTEK PRO ACRYLIC PRIMER Technical Data Guide for complete instructions).



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2) PATCH

Address all roof details and critical points by sealing/reinforcing them with THERMOTEK PRO ACRYLIC MASTIC, THERMOTEK PRO ROOFING MESH and THERMOTEK PRO ROOF COATING.

CRACKS AND SEAMS: Apply a layer of THERMOTEK PRO ACRYLIC MASTIC using a brush or spatula to cover all the areas that need reinforcement. Then apply a layer of THERMOTEK PRO COATING and embed an appropriately sized piece of THERMOTEK PRO ROOFING MESH on top. Next, apply a layer of coating, fully saturating the mesh, feathering the coating at least 2"-3" (5 cm to 7.5 cm) past the edge of the mesh while eliminating air pockets and gaps. The properly prepared crack or seam can now receive a final layer of roof coating. This process applies for cracks smaller than 3/8". For cracks bigger than 3/8" you need to repair the crack with backer rod and an appropriate sealant.

OTHER EXTERNAL ACCESORIES: Remove the accessory from the roof surface. Apply THERMOTEK PRO ACRYLIC MASTIC to the bottom of the accessory using a brush or spatula. Replace/refasten the accessory onto roof surface. Apply a layer of THERMOTEK PRO ACRYLIC MASTIC onto the top edges of the accessory. Then apply a layer of THERMOTEK PRO ROOF COATING and embed an appropriately sized piece of THERMOTEK PRO ROOFING MESH on top. Next, apply a layer of roof coating, fully saturating the mesh, feathering the coating at least 2"-3" (5 cm to 7.5 cm) past the edge of the mesh while eliminating air pockets and gaps. The properly prepared accessory can now receive a final layer of roof coating to complete the patch.

CURING TIME

3-5 hours. High humidity, low temperatures and thicker applications will result in longer drying times.

CLEAN UP

Clean application tools and equipment with clean water.
DO NOT USE solvents.

PACKAGING

- BUCKET 0.90 GAL
- CARTRIDGE 10.3 oz
- CARTRIDGE 10.3 oz (part of THERMOTEK PRO EASY AS 1-2-3 KIT)

STORAGE

The storage temperature should be greater than 41 °F (5 °C) and below 113 °F (45 °C). Keep only in the original container in a cool, well-ventilated and dry area, protected from the elements. Keep container tightly closed when not in use. Keep from freezing. Keep away from sources of ignition; no smoking. Protect from direct sunlight.

SHELF LIFE

Shelf life is 2 years.

FOR BEST PERFORMANCE

Do not apply at temperatures below 50 °F (10 °C) or above 104 °F (40 °C), or if cold weather, rain or fog is expected within 48 hours of application. Do not use in swimming pools or other submerged conditions where the mastic will be exposed to strong oxidizers.

COMPLIANCES / CERTIFICATIONS

- NATIONAL ROOFING CONTRACTORS ASSOCIATION (MEMBER)





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LIMITED WARRANTY: Master Builders Solutions US warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide available at www.thermotekpro.com for a period of 2 YEARS if used as directed and within the stated shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. Master Builders Solutions US MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, in the areas proven to have a product defect, at the sole option of Master Builders Solution US. Any claims concerning this product must be received in writing within two (2) years from the date of purchase and any claims not presented within that period are waived by Purchaser. Master Builders Solutions US WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND. The original proof of purchase must be provided.

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WARNING: Contains Titanium Dioxide, Limestone, Quartz, 2-Methylpropanoic acid monoester with 2,2,4-trimethylpentane-1,3 diol, Peroxisulfuric acid $[(HO)S(O)_2]_2O_2$ diammonium salt. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE CANCER BY INHALATION. Use only with adequate ventilation. Avoid breathing vapor. Avoid prolonged or repeated contact with skin and clothing. void contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed. IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, trained personnel should give oxygen. Get medical attention. IF ON SKIN: In case of contact, remove contaminated clothing and shoes. Immediately flush skin with soap and plenty of water. Get medical attention if symptoms occur. IF IN EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention if needed. IF SWALLOWED: Call a poison control center or physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. KEEP OUT OF REACH OF CHILDREN. For additional information read the Safety Data Sheet (SDS) for this product.

 WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov