

AlphaGuard® PUMA Primer - 107

Two-Component, Methyl Methacrylate Primer

DESCRIPTION:	AlphaGuard PUMA Primer - 107 is a two-component, methyl methacrylate primer resin for concrete and metal substrates and surfaces.
BASIC USES:	AlphaGuard PUMA Primer - 107 is used in conjunction with the AlphaGuard PUMA system to provide adhesion to concrete and metal substrates.
PACKAGING:	Available in 6 gallon (22.71 L) containers
COLOR:	Amber
GRADE:	Brush / Roller
POT LIFE:	10 - 15 minutes. <i>*Pot life dependent on ambient, substrate, and product temperature and the amount of AlphaGuard PUMA Catalyst used.</i>
STORAGE LIFE:	<p>12 months in unopened containers. Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not exceed 110°F (43°C).</p> <p>On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.</p> <p>Shelf life could be effected if the product is not stored properly.</p>
APPLICATION:	<p>Preparation: Surface must be clean, dry, solid and free of dirt, grease, oil, algae, and any other debris/contaminants.</p> <p>Allow new concrete to cure for a minimum of 28 days and until moisture, RH, and compressive strength values reach an appropriate level. Concrete surfaces must be shot-blasted to a an ICRI 3-6 surface profile.</p> <p>Metal must be ground to a clean, bare, bright metal surface.</p> <p>Repairs: If AlphaGuard PUMA is being installed over an existing roof system, all appropriate repairs should be made prior to applying the AlphaGuard PUMA system. Allow suggested cure time of repairs before application.</p> <p>Mixing: Use a heavy duty power drill with Jiffy Mixer attachment. Cordless drills are not recommended and may not properly mix the materials. AlphaGuard PUMA Primer - 107 must be mixed to achieve a uniform distribution and appearance of the product. Once properly mixed, AlphaGuard PUMA Primer - 107 can be poured off in smaller quantities into a second container. Add the appropriate amount of AlphaGuard PUMA Catalyst to the selected amount of AlphaGuard Primer - 107 and mix thoroughly until powder catalyst is completely dissolved. Catalyze only the amount of AlphaGuard Primer - 107 intended to be used within the expected pot life. The amount of AlphaGuard PUMA Catalyst required is based on the amount of AlphaGuard Primer - 107 used and the ambient weather conditions (Refer to the mixing chart for proper mixing ratios.).</p>

AlphaGuard® PUMA Primer - 107

APPLICATION:
(continued)

Application: Apply AlphaGuard PUMA Primer - 107 at 1 gal / 100 sq. ft. (16 wet mils) (0.4 L/m²) minimum. Allow primer to cure prior to applying subsequent coats.

MIXING CHART:

**AG PUMA
PRIMER - 107
AMOUNT**

½ gal (4.13 lbs)
1.89 L (1.87 kg)
1 gal (8.26 lbs)
3.78 L (3.74 kg)
3 gal (24.78 lbs)
11.34 L (11.24 kg)
6 gal (49.56 lbs)
22.68 L (22.48 kg)

* AlphaGuard PUMA Catalyst amounts listed on this chart are minimum required quantities.

ALPHAGUARD PUMA CATALYST AMOUNTS BY TEMPERATURE RANGES

70-95°F (21-35°C)			60-70°F (15-21°C)			40-60°F (5-15°C)			32-40°F (0-5°C)			< 32°F (< 0°C)		
2% Catalyst			4% Catalyst			8% Catalyst			12% Catalyst			12% Catalyst + Accelerator		
oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g
1	0.08	37	3	0.16	75	6	0.33	150	9	0.49	224	9	0.49	224
3	0.16	75	6	0.33	150	12	0.66	299	18	0.99	449	18	0.99	449
9	0.50	225	18	0.99	450	36	1.98	899	54	2.97	1,349	54	2.97	1,349
18	0.99	450	36	1.98	899	72	3.96	1,798	108	5.95	2,698	108	5.95	2,698

ACCEPTABLE SURFACES/SUBSTRATES:

Smooth BUR	Gravel BUR	Concrete	Foam	Modified Bitumen	Metal	Single Ply	SPUF	Walls
		●			●			

COVERAGE RATE:

1 gallon / 100 sq. ft. (16 wet mils) (0.4 L/m²).

CLEAN UP:

Clean tools immediate after use with AlphaGuard PUMA Cleaner.

LIMITATIONS:

- Not for use over expanded polystyrene, extruded polystyrene, plywood, tongue and groove decks, wood decks, poured in place gypsum, lightweight insulating concrete, lightweight structural concrete, cementitious wood fiber decks, coal tar pitch, gravel surfaced BUR, corrugated metal roof systems, and SPUF roofing substrates.
- Do not apply in falling precipitation or when precipitation is imminent.
- Only apply when ambient temperature is -20°F - 95°F (-28°C - 35°C).

PRECAUTIONS:

Use Tremco AlphaGuard PUMA Primer - 107 with adequate ventilation. If the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged. Avoid strong concentration of vapor as well as direct contact with skin or eyes. Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

MAINTENANCE:

Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

TECHNICAL SERVICES:

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service Staff.



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www.tremcoroofing.com
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013



50 Beth Neelson Drive
Toronto, Ontario M4H 1M6
1.800.668.9879

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