

AlphaGuard™ PUMA Primer - 107

Two-Component, Methyl Methacrylate Primer

DESCRIPTION

AlphaGuard PUMA Primer - 107 is a two-component, methyl methacrylate primer resin for concrete substrates and metal details.

BASIC USES

AlphaGuard PUMA Primer - 107 is used in conjunction with the AlphaGuard PUMA system to provide adhesion to concrete and metal details.

PACKAGING

Available in 6 gallon (22.71 L) containers

COLOR

Amber

GRADE

Brush / Roller

POT LIFE

10 - 15 minutes. **Pot life dependent on ambient, substrate, and product temperature and the amount of AlphaGuard FC or PUMA Catalyst used.*

STORAGE LIFE

12 months shelf life in unopened containers when properly stored.

DO NOT FREEZE

Recommended storage is 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 drop below 32°F (0°C) or exceed 110°F (43°C).

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.

Shelf life could be affected if the product is not stored properly.

APPLICATION

Surface Preparation: Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Rust must be abraded until it no longer exhibits flaking or chalking. Existing wet roofing components must be identified and replaced. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

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.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed prior to application.

If the surface has a pre-existing coating, paint, or sealant, please contact Tremco for adhesion/compatibility testing and surface preparation recommendations.

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APPLICATION CONTINUED

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 FC or PUMA Catalyst to the selected amount of AlphaGuard Primer - 107 and mix thoroughly for a minimum of 2 minutes 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 FC or 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.).

Install product using one of the approved application methods evenly at the recommended coverage rate. Use wet mil gauges to monitor coverage rates throughout application.

MIXING CHART

AG PUMA PRIMER-107 AMOUNT	ALPHAGUARD FC CATALYST AMOUNTS BY TEMPERATURE															
	70-95°F (21-35°C) 1% Catalyst				60-70°F (15-21°C) 2% Catalyst				40-60°F (5-15°C) 4% Catalyst				32-40°F (0-5°C) 6% Catalyst			
	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags
1 gal (11.28 lbs) 3.78 L (5.11 kg)	1	0.08	37	1/2 bag	3	0.16	75	3/4 bag	5	0.33	150	1.5 bags	8	0.49	224	2.25 bags
3 gal (33.84 lbs) 11.34 L (15.35 kg)	4	0.25	112	1.25 bags	8	0.50	225	2.25 bags	16	0.99	450	4.5 bags	24	1.49	674	6.75 bags
6 gal (67.68 lbs) 22.68 L (300 kg)	8	0.50	225	2.25 bags	16	0.99	450	4.5 bags	32	1.98	889	9 bags	48	2.97	1,349	13.5 bags
																Contact Tremco Product Group for Information

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

AG PUMA PRIMER - 107 AMOUNT	ALPHAGUARD PUMA CATALYST AMOUNTS BY TEMPERATURE RANGES															
	70-95°F (21-35°C) 2% Catalyst			60-70°F (15-21°C) 4% Catalyst			40-60°F (5-15°C) 8% Catalyst			32-40°F (0-5°C) 12% Catalyst			< 32°F (< 0°C)			
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	
1/2 gal (4.13 lbs) 1.89 L (1.87 kg)	1	0.08	37	3	0.16	75	6	0.33	150	9	0.49	224				Contact Tremco
1 gal (8.26 lbs) 3.78 L (3.74 kg)	3	0.16	75	6	0.33	150	12	0.66	299	18	0.99	449				Product Group
3 gal (24.78 lbs) 11.34 L (11.24 kg)	9	0.50	225	18	0.99	450	36	1.98	899	54	2.97	1,349				for information.
6 gal (49.56 lbs) 22.68 L (22.48 kg)	16	0.99	450	32	1.98	899	63	3.96	1,798	95	5.95	2,698				

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

Metal	Concrete	Modified Bitumen	Single Ply
	◆	◆	◆*

*Field adhesion test and Product/Technical Management approval required

ACCEPTABLE SURFACES/ SUBSTRATES

COVERAGE RATE

TEMPERATURE RECOMMENDATIONS

CURE TIMES

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

Min Ambient: -20°F (-28°C)

Max Ambient: 95°F (35°C)

- Minimum temperatures must be rising following application
- Do not apply when dew point is within 5°F (2.7°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product

Dry Time: 20-45 min. @ 77°F (25°C) / 50% RH

Note: Cure times can be affected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.

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CLEAN UP

Clean tools immediately after use with AlphaGuard PUMA Cleaner.

LIMITATIONS

Not recommended for use over the following:

Roof Decks: Cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

Products/Systems: Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, corrugated or standing seam metal roof systems, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion.
- Do not thin.

MAINTENANCE

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

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



www.tremcoroofing.com

3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013

220 Wicksteed Avenue
Toronto, Ontario, M4H 1G7
1.800.668.9879

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