

AlphaGuard™ PUMA Clear Coat

Two-Component, Methyl Methacrylate Clear Coat Finishing Resin

DESCRIPTION

AlphaGuard PUMA Clear Coat is a two-component, methyl methacrylate finishing resin.

BASIC USES

AlphaGuard PUMA Clear Coat is used in conjunction with the AlphaGuard PUMA system as a clear coat surfacing option.

PACKAGING

Available in 6 gallon (22.71 L) container

COLOR

Clear

GRADE

Brush / Roller / Squeegee

POT LIFE

10 - 15 minutes. **Pot life dependent on ambient, substrate, and product temperature and the amount of AlphaGuard 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 Clear Coat must be mixed to achieve a uniform distribution and appearance of the product. Once properly mixed, AlphaGuard PUMA Clear Coat 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 Clear Coat and mix thoroughly until powder catalyst is completely dissolved. Catalyze only the amount of AlphaGuard Clear Coat intended to be used within the expected pot life. The amount of AlphaGuard PUMA Catalyst required is based on the amount of AlphaGuard PUMA Clear Coat used and the ambient weather conditions (Refer to the mixing chart for proper mixing ratios).

Application: 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 CLEAR COAT AMOUNT	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					
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g
½ gal (4.08 lbs) 1.89 L (1.85 kg)	1	0.08	37	3	0.16	74	6	0.33	148	9	0.49	222			
1 gal (8.17 lbs) 3.78 L (3.70 kg)	3	0.16	74	6	0.33	148	12	0.65	296	18	0.98	444			
3 gal (24.51 lbs) 11.34 L (11.11 kg)	9	0.49	222	18	0.98	444	36	1.96	889	53	2.94	1,333			
6 gal (49.02 lbs) 22.68 L (22.23 kg)	16	0.98	445	31	1.96	889	63	3.92	1,778	94	5.88	2,668			

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

COVERAGE RATE

1 gal / 100 sq. ft. (16 mils)

Color Application:

Install an additional layer of AlphaGuard PUMA Top Coat at 1-1 ½ gal / 100 sq. ft. (16-24 wet mils) and immediately broadcast and backroll color quartz aggregate into the wet top coat until refusal. Allow to dry (typically 1 hour) then broom off loose granules. Apply AlphaGuard PUMA Clear Coat at 1 gal / 100 sq. ft. (16 wet mils) and allow to cure to lock in granules.

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

Skin Time: 30-45 min. @ 77°F (25°C) / 50% RH

Recoat Time: 1 hour @ 77°F (25°C) / 50% RH

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

Applied to finished AlphaGuard PUMA System with embedded colored surfacing aggregate.

Clean tools immediate after use with AlphaGuard PUMA Cleaner.

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

TEMPERATURE RECOMMENDATIONS

CURE TIMES

ACCEPTABLE SURFACES/ SUBSTRATES

CLEAN UP

LIMITATIONS

AlphaGuard™ PUMA Clear Coat

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.



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