

AlphaGuard™ PUMA SR

Two-Component, Modified Polyurethane Methacrylate Shallow Repair Resin

DESCRIPTION

Two-component, modified polyurethane methacrylate shallow repair resin

BASIC USES

AlphaGuard PUMA SR is used to make shallow repairs, between 1/8" - 1" in depth, on concrete substrates prior to the installation of the AlphaGuard PUMA system.

PACKAGING

Resin - 6 gallon (22.71 L) container, Powder - 55 lbs (25 kg) bag

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 an ICRI 3-6 surface profile.

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 SR Resin must be mixed to achieve a uniform distribution and appearance of the product. Once properly mixed, AlphaGuard PUMA SR Resin can be poured off in smaller quantities into a second container. AlphaGuard SR Powder should be added between 1:1 powder to resin ratio and 2:1 powder to resin ratio by weight to achieve the desired viscosity/consistency for various applications. Add the desired amount of AlphaGuard PUMA SR Powder into the resin and mix thoroughly until powder is completely dissolved. Then add the appropriate amount AlphaGuard PUMA Catalyst and mix thoroughly until powder catalyst is completely dissolved. Catalyze only the amount of

AlphaGuard™ PUMA SR

APPLICATION CONTINUED

AlphaGuard SR intended to be used within the expected pot life. The amount of AlphaGuard PUMA Catalyst required is based on the amount of AlphaGuard PUMA SR used and the ambient weather conditions (Refer to the mixing chart for proper mixing ratios.).

Application: Prime areas with AlphaGuard PUMA Primer - 107 and allow to cure. Apply AlphaGuard PUMA SR at the desired thickness between 1/8" - 1" in depth. Allow AlphaGuard PUMA SR to cure prior to applying subsequent coats.

MIXING CHART

AG PUMA SR 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 (3.92 lbs) 1.89 L (1.77 kg)	1	0.08	35	3	0.16	71	6	0.31	142	8	0.47	212			
1 gal (7.84 lbs) 3.78 L (3.55 kg)	3	0.16	71	6	0.31	142	11	0.63	284	17	0.94	426			
3 gal (23.52 lbs) 11.34 L (10.66 kg)	9	0.47	213	17	0.94	426	34	1.88	853	51	2.82	1,279			
6 gal (47.04 lbs) 22.68 L (21.33 kg)	15	0.94	427	30	1.88	853	60	3.76	1,706	90	5.64	2,560			

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

COVERAGE RATES

Thickness	Mil Thickness	Amount
1/8"	125 wet mils	Approx. 8 gals / 100 sq. ft.
1/4"	250 wet mils	Approx. 16 gals / 100 sq. ft.
1/2"	500 wet mils	Approx. 32 gals / 100 sq. ft.
3/4"	750 wet mils	Approx. 47 gals / 100 sq. ft.
1"	1,000 wet mils	Approx. 63 gals / 100 sq. ft.

TEMPERATURE RECOMMENDATIONS

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

ACCEPTABLE SURFACES/ SUBSTRATES

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

CLEAN UP

Clean tools immediate after use with AlphaGuard PUMA Cleaner.

LIMITATIONS

AlphaGuard PUMA SR is intended for use on structural concrete substrates and is not for use over any other types of roof decks or roofing materials.

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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