

# AlphaGuard™ PUMA Cold Weather Catalyst

*Liquid accelerating agent  
for AlphaGuard PUMA resins*

## DESCRIPTION

AlphaGuard PUMA Cold Weather Catalyst is a low viscosity, yellow colored liquid. It is used to accelerate our AlphaGuard PUMA resins (Top Coat, Base Coat, Quick Flash, THIX, and Primer 107) when applying in freezing temperatures.

## BASIC USES

AlphaGuard PUMA Cold Weather Catalyst is used as an accelerator when a thorough thermoset cure cannot be achieved alone by the addition of the recommended AlphaGuard PUMA Catalyst to above listed AlphaGuard PUMA resins, or if curing would take too long because of freezing temperatures.

## PACKAGING

1-gallon (3.78 L) container

## COLOR

Yellow

## GRADE

Liquid

## POT LIFE

Refer to product data sheet of specific AlphaGuard PUMA liquid resin

## STORAGE

6 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

**Usage:** AlphaGuard PUMA Cold Weather Catalyst is used in a range of 0.7 - 4.2% of the weight of the AlphaGuard PUMA liquid resin product selected. The amount of AlphaGuard PUMA Cold Weather Catalyst required is based on the type and amount of liquid product used as well as the ambient temperature. For details consult mixing charts.

**Mixing:** Use a heavy-duty power drill with Jiffy Mixer attachment. Cordless drills are not recommended and may not properly mix the materials.

Mix the AlphaGuard PUMA liquid resin products to achieve a uniform distribution and appearance of the product. Once properly mixed, AlphaGuard PUMA liquid resin products can be poured off in smaller quantities into a second container. Add the appropriate amount of AlphaGuard PUMA Cold Weather Catalyst to the selected amount of liquid product and mix thoroughly to achieve a uniform distribution and appearance of the product. Refer to AlphaGuard PUMA Catalyst data sheet and mixing charts for proper recommendations.

# AlphaGuard™ PUMA Cold Weather Catalyst

## MIXING CHARTS

### ALPHAGUARD PUMA BASE COAT MIXING CHART

AlphaGuard PUMA Base Coat Amount	AlphaGuard PUMA Cold Weather Catalyst & PUMA Powder Catalyst Amounts by Temperature Ranges																													
	32°F (0°C)			14°F (-10°C)			5°F (-15°C)			-4°F (-20°C)			-22°F (-30°C)																	
	0% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	1.05% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	1.4% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	2.1% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	3% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g																				
½ gal (5.64 lbs) 1.89 L (2.55 kg)	0.00	0.00	0.00	11	0.67	306	0.94	0.06	27	9	0.56	255	1.26	0.08	36	9	0.56	255	1.89	0.12	54	9	0.56	255	2.70	0.17	77	9	0.56	255
1 gal (11.28 lbs) 3.78 L (5.11 kg)	0.00	0.00	0.00	22	1.35	613	1.89	0.12	54	18	1.13	511	2.52	0.16	72	18	1.13	511	3.79	0.24	107	18	1.13	511	5.41	0.34	153	18	1.13	511
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0.00	65	4.06	1,842	5.69	0.36	161	54	3.38	1,535	7.58	0.47	215	54	3.38	1,535	11.37	0.71	322	54	3.38	1,535	16.24	1.02	461	54	3.38	1,535
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0.00	130	8.12	3,684	11.37	0.71	322	108	6.77	3,070	15.16	0.95	430	108	6.77	3,070	22.74	1.42	645	108	6.77	3,070	32.49	2.03	921	108	6.77	3,070

### ALPHAGUARD PUMA TOP COAT MIXING CHART

AlphaGuard PUMA Top Coat Amount	AlphaGuard PUMA Cold Weather Catalyst & PUMA Powder Catalyst Amounts by Temperature Ranges																													
	32°F (0°C)			14°F (-10°C)			5°F (-15°C)			-4°F (-20°C)			-22°F (-30°C)																	
	0% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	1.05% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	1.4% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	2.1% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	3% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g																				
½ gal (4.56 lbs) 1.89 L (2.06 kg)	0.00	0.00	0.00	9	0.54	247	0.76	0.05	22	7	0.45	206	1.02	0.06	29	7	0.45	206	1.53	0.10	43	7	0.45	206	2.18	0.14	62	7	0.45	206
1 gal (9.12 lbs) 3.78 L (4.13 kg)	0.00	0.00	0.00	17	1.09	496	1.53	0.10	43	15	0.91	413	2.04	0.13	58	15	0.91	413	3.06	0.19	87	15	0.91	413	4.37	0.27	124	15	0.91	413
3 gal (27.36 lbs) 11.34 L (12.41 kg)	0.00	0.00	0.00	53	3.28	1,489	4.60	0.29	130	44	2.74	1,241	6.13	0.38	174	44	2.74	1,241	9.19	0.57	261	44	2.74	1,241	13.13	0.82	372	44	2.74	1,241
6 gal (54.72 lbs) 22.68 L (24.82 kg)	0.00	0.00	0.00	105	6.57	2,978	9.19	0.57	261	88	5.47	2,482	12.26	0.77	347	88	5.47	2,482	18.39	1.15	521	88	5.47	2,482	26.26	1.64	745	88	5.47	2,482

### ALPHAGUARD PUMA PRIMER-107 MIXING CHART

AlphaGuard PUMA Primer- 107 Amount	AlphaGuard PUMA Cold Weather Catalyst & PUMA Powder Catalyst Amounts by Temperature Ranges																													
	32°F (0°C)			14°F (-10°C)			5°F (-15°C)			-4°F (-20°C)			-22°F (-30°C)																	
	0.7% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	1.4% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	2.1% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	2.8% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	4.2% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g																				
½ gal (4.13 lbs) 1.89 L (1.87 kg)	0.46	0.03	13	8	0.49	224	0.92	0.06	26	8	0.49	224	1.39	0.09	39	8	0.49	224	1.85	0.12	52	8	0.49	224	2.77	0.17	79	8	0.49	224
1 gal (8.26 lbs) 3.78 L (3.74 kg)	0.92	0.06	26	16	0.99	449	1.85	0.12	52	16	0.99	449	2.77	0.17	79	16	0.99	449	3.69	0.23	105	16	0.99	449	5.54	0.35	157	16	0.99	449
3 gal (24.78 lbs) 11.34 L (11.24 kg)	2.78	0.17	79	48	2.97	1,349	5.55	0.35	157	48	2.97	1,349	8.33	0.52	236	48	2.97	1,349	11.10	0.69	315	48	2.97	1,349	16.65	1.04	472	48	2.97	1,349
6 gal (49.56 lbs) 22.68 L (22.48 kg)	5.55	0.35	157	95	5.95	2,698	11.10	0.69	315	95	5.95	2,698	16.65	1.04	472	95	5.95	2,698	22.20	1.39	629	95	5.95	2,698	33.30	2.08	944	95	5.95	2,698

### ALPHAGUARD PUMA THIX MIXING CHART

AlphaGuard PUMA THIX Amount	AlphaGuard PUMA Cold Weather Catalyst & PUMA Powder Catalyst Amounts by Temperature Ranges																													
	32°F (0°C)			14°F (-10°C)			5°F (-15°C)			-4°F (-20°C)			-22°F (-30°C)																	
	0% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	1.05% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	1.4% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	2.1% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	3% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g																				
½ gal (5.64 lbs) 1.89 L (2.55 kg)	0.00	0.00	0.00	11	0.67	306	0.94	0.06	27	9	0.56	255	1.26	0.08	36	9	0.56	255	1.89	0.12	54	9	0.56	255	2.70	0.17	77	9	0.56	255
1 gal (11.28 lbs) 3.78 L (5.11 kg)	0.00	0.00	0.00	22	1.35	613	1.89	0.12	54	18	1.13	511	2.52	0.16	72	18	1.13	511	3.79	0.24	107	18	1.13	511	5.41	0.34	153	18	1.13	511
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0.00	65	4.06	1,842	5.69	0.36	161	54	3.38	1,535	7.58	0.47	215	54	3.38	1,535	11.37	0.71	322	54	3.38	1,535	16.24	1.02	461	54	3.38	1,535
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0.00	130	8.12	3,684	11.37	0.71	322	108	6.77	3,070	15.16	0.95	430	108	6.77	3,070	22.74	1.42	645	108	6.77	3,070	32.49	2.03	921	108	6.77	3,070

### ALPHAGUARD PUMA QUICK FLASH MIXING CHART

AlphaGuard PUMA Quick Flash Amount	AlphaGuard PUMA Cold Weather Catalyst & PUMA Powder Catalyst Amounts by Temperature Ranges																													
	32°F (0°C)			14°F (-10°C)			5°F (-15°C)			-4°F (-20°C)			-22°F (-30°C)																	
	0% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	1.05% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	1.4% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	2.1% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	3% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g																				
½ gal (5.71 lbs) 1.89 L (2.59 kg)	0.00	0.00	0.00	11	0.69	311	0.96	0.06	27	9	0.57	259	1.28	0.08	36	9	0.57	259	1.92	0.12	54	9	0.57	259	2.74	0.17	78	9	0.57	259
1 gal (11.43 lbs) 3.78 L (5.18 kg)	0.00	0.00	0.00	22	1.37	622	1.92	0.12	54	18	1.14	518	2.56	0.16	73	18	1.14	518	3.84	0.24	109	18	1.14	518	5.48	0.34	155	18	1.14	518
3 gal (34.29 lbs) 11.34 L (15.55 kg)	0.00	0.00	0.00	66	4.11	1,866	5.76	0.36	163	55	3.43	1,555	7.68	0.48	218	55	3.43	1,555	11.52	0.72	327	55	3.43	1,555	16.46	1.03	467	55	3.43	1,555
6 gal (68.58 lbs) 22.68 L (31.10 kg)	0.00	0.00	0.00	132	8.23	3,732	11.52	0.72	327	110	6.86	3,110	15.36	0.96	435	110	6.86	3,110	23.04	1.44	653	110	6.86	3,110	32.91	2.06	933	110	6.86	3,110

# AlphaGuard™ PUMA Cold Weather Catalyst

## MIXING CHARTS CONTINUED

### ALPHAGUARD PUMA SR MIXING CHART

AlphaGuard PUMA SR Amount	AlphaGuard PUMA Cold Weather Catalyst & PUMA Powder Catalyst Amounts by Temperature Ranges																													
	32°F (0°C)			14°F (-10°C)			5°F (-15°C)			-4°F (-20°C)			-22°F (-30°C)																	
	0% Cold Weather Catalyst oz lbs g	12% PUMA Catalyst oz lbs g	1.05% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	1.4% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	2.1% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g	3% Cold Weather Catalyst oz lbs g	10% PUMA Catalyst oz lbs g																				
½ gal (3.92 lbs) 1.89 L (1.77 kg)	0.00	0.00	0.00	7	0.47	212	0.66	0.04	19	6	0.39	177	0.87	0.05	25	6	0.39	177	1.31	0.08	37	6	0.39	177	1.87	0.12	53	6	0.39	177
1 gal (7.84 lbs) 3.78 L (3.55 kg)	0.00	0.00	0.00	15	0.94	426	1.31	0.08	37	13	0.78	355	1.75	0.11	50	13	0.78	355	2.63	0.16	75	13	0.78	355	3.76	0.23	107	13	0.78	355
3 gal (23.52 lbs) 11.34 L (10.66 kg)	0.00	0.00	0.00	45	2.82	1,279	3.95	0.25	112	38	2.35	1,066	5.26	0.33	149	38	2.35	1,066	7.90	0.49	224	38	2.35	1,066	11.28	0.71	320	38	2.35	1,066
6 gal (47.04 lbs) 22.68 L (21.33 kg)	0.00	0.00	0.00	90	5.64	2,560	7.90	0.49	224	75	4.70	2,133	10.53	0.66	299	75	4.70	2,133	15.80	0.99	448	75	4.70	2,133	22.57	1.41	640	75	4.70	2,133

**\* YOU MUST MIX COLD WEATHER CATALYST INTO THE RESIN PRIOR TO ADDING THE POWDER PUMA CATALYST!**  
 \* Follow precise catalyst quantities for cold weather applications.

## 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.tremcroofing.com](http://www.tremcroofing.com)  
 3735 Green Road  
 Beachwood, Ohio 44122  
 1.800.852.6013

50 Beth Nealson Drive  
 Toronto, Ontario M4H 1M6  
 1.800.668.9879

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