

# AlphaGuard™ PUMA\* Cold Weather Mixing Charts

## USA

### ALPHAGUARD PUMA BASE COAT MIXING CHART

AlphaGuard PUMA Base Coat Amount	AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges																																		
	32°F (0°C)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)																				
	0% Cold Weather Catalyst			6% FC Catalyst			1.05% Cold Weather Catalyst		5% FC Catalyst		1.4% Cold Weather Catalyst		5% FC Catalyst		2.1% Cold Weather Catalyst		5% FC Catalyst		3% Cold Weather Catalyst		5% FC Catalyst														
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g		
1 gal (11.28 lbs) 3.78 L (5.11 kg)	0.00	0.00	0	11	0.68	307	3 bags	1.89	0.12	54	9	0.56	256	2.5 bags	2.52	0.16	72	9	0.56	256	2.5 bags	3.79	0.24	107	9	0.56	256	2.5 bags	5.41	0.34	153	9	0.56	256	2.5 bags
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0	32	2.03	921	9.25 bags	5.69	0.36	161	27	1.69	768	7.75 bags	7.58	0.47	215	27	1.69	768	7.75 bags	11.37	0.71	322	27	1.69	768	7.75 bags	16.24	1.02	461	27	1.69	768	7.75 bags
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0	65	4.06	1,842	18.5 bags	11.37	0.71	322	54	3.38	1,535	15.5 bags	15.16	0.95	430	54	3.38	1,535	15.5 bags	22.74	1.42	645	54	3.38	1,535	15.5 bags	32.49	2.03	921	54	3.38	1,535	15.5 bags

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

### 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)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)															
	0% Cold Weather Catalyst			12% PUMA Catalyst			1.05% Cold Weather Catalyst		10% PUMA Catalyst		1.4% Cold Weather Catalyst		10% PUMA Catalyst		2.1% Cold Weather Catalyst		10% PUMA Catalyst		3% Cold Weather Catalyst		10% PUMA Catalyst									
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	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

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

### ALPHAGUARD PUMA TOP COAT MIXING CHART

AlphaGuard PUMA Top Coat Amount	AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges																																		
	32°F (0°C)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)																				
	0% Cold Weather Catalyst			6% FC Catalyst			1.05% Cold Weather Catalyst		5% FC Catalyst		1.4% Cold Weather Catalyst		5% FC Catalyst		2.1% Cold Weather Catalyst		5% FC Catalyst		3% Cold Weather Catalyst		5% FC Catalyst														
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g		
1 gal (11.28 lbs) 3.78 L (5.11 kg)	0.00	0.00	0	9	0.55	248	2.5 bags	1.53	0.10	43	7	0.46	207	2 bags	2.04	0.13	58	7	0.46	207	2 bags	3.06	0.19	87	7	0.46	207	2 bags	4.37	0.27	124	7	0.46	207	2 bags
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0	26	1.64	745	7.5 bags	4.60	0.29	130	22	1.37	621	6.25 bags	6.13	0.38	174	22	1.37	621	6.25 bags	9.19	0.57	261	22	1.37	621	6.25 bags	13.13	0.82	372	22	1.37	621	6.25 bags
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0	53	3.28	1,489	15 bags	9.19	0.57	261	44	2.74	1,241	12.5 bags	12.26	0.77	347	44	2.74	1,241	12.5 bags	18.39	1.15	521	44	2.74	1,241	12.5 bags	26.26	1.64	745	44	2.74	1,241	12.5 bags

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

### 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)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)															
	0% Cold Weather Catalyst			12% PUMA Catalyst			1.05% Cold Weather Catalyst		10% PUMA Catalyst		1.4% Cold Weather Catalyst		10% PUMA Catalyst		2.1% Cold Weather Catalyst		10% PUMA Catalyst		3% Cold Weather Catalyst		10% PUMA Catalyst									
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g
½ gal (4.56 lbs) 1.89 L (2.06 kg)	0.00	0.00	0.00	10	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	20	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	60	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

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

\* Modified Polyurethane/Methyl Methacrylate

# AlphaGuard™ PUMA Cold Weather Mixing Charts

## ALPHAGUARD PUMA CLEAR COAT MIXING CHART

AlphaGuard PUMA Clear Coat Amount	AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges																							
	32°F (0°C)				31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)				-5 to -22°F (-20.5 to -30°C)							
	0% Cold Weather Catalyst		6% FC Catalyst		Cold Weather Catalyst		FC Catalyst		Cold Weather Catalyst		FC Catalyst		Cold Weather Catalyst		FC Catalyst		Cold Weather Catalyst		FC Catalyst					
	oz	lbs	g	oz	lbs	g	100g bags	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)	0.00	0.00	0	8	0.49	222	2.25 bags																	
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0	24	1.47	667	6.75 bags	Contact Tremco Product Group for Information																
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0	47	2.94	1,334	13.5 bags																	

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## ALPHAGUARD PUMA CLEAR COAT MIXING CHART

AlphaGuard PUMA Clear Coat Amount	AlphaGuard PUMA Cold Weather Catalyst & PUMA Powder Catalyst Amounts by Temperature Ranges																							
	32°F (0°C)				31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)				-5 to -22°F (-20.5 to -30°C)							
	0.0% Cold Weather Catalyst		12% PUMA Catalyst		Cold Weather Catalyst		PUMA Catalyst		Cold Weather Catalyst		PUMA Catalyst		Cold Weather Catalyst		PUMA Catalyst		Cold Weather Catalyst		PUMA Catalyst					
	oz	lbs	g	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	
½ gal (4.08 lbs) 1.89 L (1.85 kg)	0.00	0.00	0.00	9	0.49	222																		
1 gal (8.17 lbs) 3.78 L (3.70 kg)	0.00	0.00	0.00	18	0.98	444		Contact Tremco Product Group for information.																
3 gal (24.51 lbs) 11.34 L (11.11 kg)	0.00	0.00	0.00	47	2.94	1,333																		
6 gal (49.02 lbs) 22.68 L (22.23 kg)	0.00	0.00	0.00	94	5.88	2,668																		

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## ALPHAGUARD PUMA PRIMER-107 MIXING CHART

AlphaGuard PUMA Primer-107 Amount	AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges																																		
	32°F (0°C)				31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)				-5 to -22°F (-20.5 to -30°C)																		
	0.7% Cold Weather Catalyst		6% FC Catalyst		1.4% Cold Weather Catalyst		6% FC Catalyst		2.1% Cold Weather Catalyst		6% FC Catalyst		2.8% Cold Weather Catalyst		6% FC Catalyst		4.2% Cold Weather Catalyst		6% FC Catalyst																
	oz	lbs	g	oz	lbs	g	100g bags	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)	0.92	0.06	26	8	0.49	224	2.25 bags	1.85	0.12	52	8	0.49	224	2.25 bags	2.77	0.17	79	8	0.49	224	2.25 bags	3.69	0.23	105	8	0.49	224	2.25 bags	5.54	0.35	157	8	0.49	224	2.25 bags
3 gal (33.84 lbs) 11.34 L (15.35 kg)	2.78	0.17	79	24	1.49	674	6.75 bags	5.55	0.35	157	24	1.49	674	6.75 bags	8.33	0.52	236	24	1.49	674	6.75 bags	11.10	0.69	315	24	1.49	674	6.75 bags	16.65	1.04	472	24	1.49	674	6.75 bags
6 gal (67.68 lbs) 22.68 L (30.70 kg)	5.55	0.35	157	48	2.97	1,349	13.5 bags	11.10	0.69	315	48	2.97	1,349	13.5 bags	16.65	1.04	472	48	2.97	1,349	13.5 bags	22.20	1.39	629	48	2.97	1,349	13.5 bags	33.30	2.08	944	48	2.97	1,349	13.5 bags

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## 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)				31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)				-5 to -22°F (-20.5 to -30°C)														
	0% Cold Weather Catalyst		12% PUMA Catalyst		1.4% Cold Weather Catalyst		12% PUMA Catalyst		2.1% Cold Weather Catalyst		12% PUMA Catalyst		2.8% Cold Weather Catalyst		12% PUMA Catalyst		4.2% Cold Weather Catalyst		12% PUMA Catalyst												
	oz	lbs	g	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags								
½ gal (4.13 lbs) 1.89 L (1.87 kg)	0.46	0.03	13	9	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	18	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	54	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

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\* Follow precise catalyst quantities for cold weather applications.

# AlphaGuard™ PUMA Cold Weather Mixing Charts

## ALPHAGUARD PUMA THIX MIXING CHART

AlphaGuard PUMA THIX Amount	AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges																																		
	32°F (0°C)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)																				
	0% Cold Weather Catalyst			6% FC Catalyst			1.05% Cold Weather Catalyst		5% FC Catalyst		1.4% Cold Weather Catalyst		5% FC Catalyst		2.1% Cold Weather Catalyst		5% FC Catalyst		3% Cold Weather Catalyst		5% FC Catalyst														
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g											
1 gal (11.28 lbs) 3.78 L (5.11 kg)	0.00	0.00	0	11	0.68	307	3 bags	1.89	0.12	54	9	0.56	256	2.5 bags	2.52	0.16	72	9	0.56	256	2.5 bags	3.79	0.24	107	9	0.56	256	2.5 bags	5.41	0.34	153	9	0.56	256	2.5 bags
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0	32	2.03	921	9.25 bags	5.69	0.36	161	27	1.69	768	7.75 bags	7.58	0.47	215	27	1.69	768	7.75 bags	11.37	0.71	322	27	1.69	768	7.75 bags	16.24	1.02	461	27	1.69	768	7.75 bags
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0	65	4.06	1,842	18.5 bags	11.37	0.71	322	54	3.38	1,535	15.5 bags	15.16	0.95	430	54	3.38	1,535	15.5 bags	22.74	1.42	645	54	3.38	1,535	15.5 bags	32.49	2.03	921	54	3.38	1,535	15.5 bags

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## 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)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)															
	0% Cold Weather Catalyst			12% PUMA Catalyst			1.05% Cold Weather Catalyst		10% PUMA Catalyst		1.4% Cold Weather Catalyst		10% PUMA Catalyst		2.1% Cold Weather Catalyst		10% PUMA Catalyst		3% Cold Weather Catalyst		10% PUMA Catalyst									
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g						
½ gal (5.64 lbs) 1.89 L (2.55 kg)	0.00	0.00	0.00	12	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	25	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	74	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

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## ALPHAGUARD PUMA QUICK FLASH MIXING CHART

AlphaGuard PUMA Quick Flash Amount	AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges																																		
	32°F (0°C)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)																				
	0% Cold Weather Catalyst			6% FC Catalyst			1.05% Cold Weather Catalyst		5% FC Catalyst		1.4% Cold Weather Catalyst		5% FC Catalyst		2.1% Cold Weather Catalyst		5% FC Catalyst		3% Cold Weather Catalyst		5% FC Catalyst														
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g											
1 gal (11.28 lbs) 3.78 L (5.11 kg)	0.00	0.00	0	11	0.69	311	3.25 bags	1.92	0.12	54	9	0.57	259	2.75 bags	2.56	0.16	73	9	0.57	259	2.75 bags	3.84	0.24	109	9	0.57	259	2.75 bags	5.48	0.34	155	9	0.57	259	2.75 bags
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0	33	2.06	933	9.5 bags	5.76	0.36	163	27	1.71	778	7.75 bags	7.68	0.48	218	27	1.71	778	7.75 bags	11.52	0.72	327	27	1.71	778	7.75 bags	16.46	1.03	467	27	1.71	778	7.75 bags
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0	66	4.11	1,866	18.75 bags	11.52	0.72	327	55	3.43	1,555	15.5 bags	15.36	0.96	435	55	3.43	1,555	15.5 bags	23.04	1.44	653	55	3.43	1,555	15.5 bags	32.91	2.06	933	55	3.43	1,555	15.5 bags

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## 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)			31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)			-5 to -22°F (-20.5 to -30°C)															
	0% Cold Weather Catalyst			12% PUMA Catalyst			1.05% Cold Weather Catalyst		10% PUMA Catalyst		1.4% Cold Weather Catalyst		10% PUMA Catalyst		2.1% Cold Weather Catalyst		10% PUMA Catalyst		3% Cold Weather Catalyst		10% PUMA Catalyst									
	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g	oz	lbs	g						
½ gal (5.71 lbs) 1.89 L (2.59 kg)	0.00	0.00	0.00	12	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	25	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	75	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

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



# AlphaGuard™ PUMA Cold Weather Mixing Charts

**ALPHAGUARD PUMA SR MIXING CHART**

AlphaGuard PUMA SR Amount	AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges																																						
	32°F (0°C)				31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)				-5 to -22°F (-20.5 to -30°C)																						
	0% Cold Weather Catalyst		6% FC Catalyst		1.05% Cold Weather Catalyst		5% FC Catalyst		1.4% Cold Weather Catalyst		5% FC Catalyst		2.1% Cold Weather Catalyst		5% FC Catalyst		3% Cold Weather Catalyst		5% FC Catalyst																				
	oz	lbs	g	oz	lbs	g	100g bags	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)	0.00	0.00	0	8	0.47	213	2.25 bags	1.31	0.08	37		6	0.39	178	1.75 bags	1.75	0.11	50		6	0.39	178	1.75 bags	2.63	0.16	75		6	0.39	178	1.75 bags	3.76	0.23	107		6	0.39	178	1.75 bags
3 gal (33.84 lbs) 11.34 L (15.35 kg)	0.00	0.00	0	23	1.41	640	6.5 bags	3.95	0.25	112		19	1.18	533	5.5 bags	5.26	0.33	149		19	1.18	533	5.5 bags	7.90	0.49	224		19	1.18	533	5.5 bags	11.28	0.71	320		19	1.18	533	5.5 bags
6 gal (67.68 lbs) 22.68 L (30.70 kg)	0.00	0.00	0	45	2.82	1,280	13 bags	7.90	0.49	224		38	2.35	1,067	10.75 bags	10.53	0.66	299		38	2.35	1,067	10.75 bags	15.80	0.99	448		38	2.35	1,067	10.75 bags	22.57	1.41	640		38	2.35	1,067	10.75 bags

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

**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)				31 to 14°F (-0.5 to -10°C)				13 to 5°F (-10.5 to -15°C)				4 to -4°F (-15.5 to -20°C)				-5 to -22°F (-20.5 to -30°C)																					
	0% Cold Weather Catalyst		12% PUMA Catalyst		1.05% Cold Weather Catalyst		10% PUMA Catalyst		1.4% Cold Weather Catalyst		10% PUMA Catalyst		2.1% Cold Weather Catalyst		10% PUMA Catalyst		3% Cold Weather Catalyst		10% PUMA Catalyst																			
	oz	lbs	g	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags	oz	lbs	g	100g bags															
1/2 gal (3.92 lbs) 1.89 L (1.77 kg)	0.00	0.00	0.00	8	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	17	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	51	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.



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