# 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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags |
| 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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags |
| 1 gal (11.28 lbs) 3.78 L (5.11 kg) | 0.00 | 0.00 | 0 | 9 | 0.55 | 248 | 2.5 bags | 7 | 0.46 | 207 | 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 | 87 | 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!***

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## 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 | | | 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.*

# 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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | 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 | Contact Tremco Product Group for Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 gal (33.84 lbs) 11.34 L (15.35 kg) | 0.00 | 0.00 | 0 | 24 | 1.47 | 667 | 6.75 bags | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 gal (67.68 lbs) 22.68 L (30.70 kg) | 0.00 | 0.00 | 0 | 47 | 2.94 | 1,334 | 13.5 bags | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**** YOU MUST MIX COLD WEATHER CATALYST INTO THE RESIN PRIOR TO ADDING THE POWDER CATALYST!***

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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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | | 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 (4.08 lbs) 1.89 L (1.85 kg) | 0.00 | 0.00 | 0.00 | 9 | 0.49 | 222 | Contact Tremco Product Group for information. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 gal (8.17 lbs) 3.78 L (3.70 kg) | 0.00 | 0.00 | 0.00 | 18 | 0.98 | 444 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**** 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 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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | 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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-30°C) | | | | | | |
| | 0.0% 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 | | 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 (4.13 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 | | | | |

**** YOU MUST MIX COLD WEATHER CATALYST INTO THE RESIN PRIOR TO ADDING THE POWDER PUMA CATALYST!***

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## ALPHAGUARD PUMA THIX MIXING CHART

| AlphaGuard PUMA THIX Amount | AlphaGuard PUMA Cold Weather Catalyst & FC Catalyst Powder Amounts by Temperature Ranges | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| | 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 | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags |
| 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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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 32°F (0°C) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | 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 | |

**** 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 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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags |
| 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 |

**** 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 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 | | | 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 (5.71 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) | | | | | | | 14°F (-10°C) | | | | | | | 5°F (-15°C) | | | | | | | -4°F (-20°C) | | | | | | | -22°F (-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 | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | oz | lbs | g | 100g bags | oz | lbs | g | 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) | | | | | | 14°F (-10°C) | | | | | | 5°F (-15°C) | | | | | | -4°F (-20°C) | | | | | | -22°F (-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 (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.


TREMCO
*Roofing & Building Maintenance*

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Beachwood, Ohio 44122
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50 Beth Nealson Drive
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