



Technical Data Sheet

AMP-UP™ URETHANE ST

GENERAL DESCRIPTION

AMP-UP™ URETHANE ST is a two component, high build acrylic aliphatic urethane with excellent color and gloss retention. Finish cures to tough but flexible, abrasive resistant film with exceptional exterior durability, chalk resistance, color stability and long-term gloss retention. This product was developed for use on aluminum, as well as structural steel for both interior and exterior applications.

PACKAGING

1-Gallon Kit

5-Gallon Kit

RECOMMENDED PRIMERS

This topcoat is compatible with a wide range of primers. Excellent performance will be obtained when used with any of the [AMP-UP™ Series](#) products.

SURFACE PREPARATION

PRIMED SURFACE:

When applying this product at topcoat on the AMP-UP™ Series products, it is essential to remove all contamination that can affect coating application and interfere with coating adhesion. Inspect the surface of the primer before applying this product and remove dirt, dust, oil, salt, and any other chemical contaminants by washing the surface with a cleaner/degreaser. Mold and mildew areas must be cleaned with a chlorinated cleaner or bleach solution. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application. Paint solvent should not be used for cleaning or degreasing the primer surface. Verify with technical data sheet and application guide of the AMP-UP™ Series products for over-coatability and the given maximum over-coating interval.

PREVIOUSLY COATED: Previously coated surfaces must be in good condition. Smooth, hard or glossy finishes should be sanded to create a surface profile. To ensure product compatibility, application on a test patch is recommended.

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality synthetic bristle brush such as Purdy® brush.

ROLLER: Use a good quality synthetic nap.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Atomizing Pressure
Pressure	0.055 - 0.070	25-60 psi
Siphon	0.055 - 0.070	25-60 psi
HVLP (var.)	0.043 - 0.070	25-60 psi

Air cap for highest pressure

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
2000-2500 psi	0.013-0.017	60

THINNING

THINNER 3 (Fast) or THINNER 4 (Slow)

The choice of correct thinner will give optimum lay down of product and ease of application. Depending on temperature and humidity, select the thinner and the degree of thinning. THINNER 3 is recommended for brush and roll applications. THINNER 4 is recommended for spray applications.

CLEAN-UP

Use xylenes or MEK after use.



Technical Data Sheet

AMP-UP™ URETHANE ST

PHYSICAL PROPERTIES

Solids by Volume		60 – 64%
Volatile Organic Compounds		2.7 lb/gal (323 g/L)
Mix Ratio (by Volume) *Add Part B to container containing Part A and mix **For thinning: 1-gal kit – use a 2-gallon or larger pail 5-gal kit – use a 6-gallon or larger pail	Part A	4 parts
	Part B	1 part
	Thinner 3 or 4	up to 1/2 part max
Recommended Dry Film Thickness(DFT) Per Coat		2 – 4 mils (50 – 100 µm)
Wet Film to Achieve DFT		3 – 6 mils (75 - 150 µm)
Coverage at Recommended DFT		200 – 496 sq.ft./gal (4.9 – 12.2 m ² /L)
Pot Life at 70-80 °F (21-27 °C) and 50% Relative Humidity		4 – 6 hours
Dry Time *tack free	at 50 °F (10 °C)	4 – 6 hours
	at 75 °F (23.9 °C)	2 hours
	at 90 °F (32.2 °C)	1 hour
Recoat Time	at 50 °F (10 °C)	1 -4 days
	at 75 °F (23.9 °C)	8 – 48 hours
	at 90 °F (32.2 °C)	6 – 24 hours
Recoat		8 – 48 hours
Shelf Life		1 year
Dry Service Temperature		300 °F / 149 °C
Safety Information		See SDS

Seller believes all technical data and other information presented herein to be reliable ,but are not a warranty or representation for which we assume any liability or duty of any kind. Such data and other information are intended for use only by persons having all necessary skill and know-how, at their own discretion and risk. Users are responsible to undertake such verification and testing as they determine to confirm the accuracy of such data and other information and suitability of the subject materials for their own particular purpose. SELLER DOES NOT MAKE, AND HEREBY DISCLAIMS FOR ALL PURPOSES, ALL REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, CONCERNING SUCH DATA AND OTHER INFORMATION (INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). Users hereby waive any claim with respect to any damages and claims of any kind or nature based on such data and other information, except as otherwise agreed in writing by a duly authorized representative of Seller.