



Technical Data Sheet

AMP-UP™ URETHANE PE

GENERAL DESCRIPTION

AMP-UP™ URETHANE PE is a two component, high build polyester urethane with excellent chemical resistance and durability. This high gloss finish is highly resistant to weathering, abrasion, and impact.

PACKAGING

1.5-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 0.25" – 0.375" short synthetic nap.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	0.055 - 0.070	10-16 oz/min	25-60 psi
Siphon	0.055 - 0.070	-	25-60 psi
HVLP (var.)	0.043 - 0.070	8-10 oz/min	10 psi at tip

Air cap for highest pressure

AIRLESS SPRAY:

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

CLEAN-UP

Use xylenes or MEK after use.



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PHYSICAL PROPERTIES

Resin Type	Polyester Polyurethane	
Solids by Volume	57 – 63%	
Volatile Organic Compounds	3.1 lb/gal (372 g/L)	
Mix Ratio (by Volume) *Use of a 2-gallon or larger pail needed for mixing part A, part B	Part A	2 parts
	Part B	1 part
Recommended Dry Film Thickness (DFT) Per Coat	2 – 4 mils (50 – 100 µm)	
Wet Film to Achieve DFT	3 – 7 mils (75 – 175 µm)	
Coverage at Recommended DFT	240 – 480 sq.ft./gal (5.9 – 11.8 m ² /L)	
Pot Life at 70-80 °F (21-27 °C) and 50% Relative Humidity	3 – 4 hours	
Dry Times	at 90 °F (32 °C)	1.5 hours
	at 77°F (25 °C)	3 hours
Recoat	at 90 °F (32 °C)	3 – 18 hours
	at 77°F (25 °C)	3 – 24 hours
Shelf Life	1 year	
Pencil Hardness (ASTM D3363)	3H	
Taber Abrasion (ASTM 4060, CS-17, 1000 cycles)	31 mg	
Flexibility (ASTM D522, 180° bend)	1/8"	
Impact Resistance (ASTM D2794)	Direct	160 in · lb
	Reverse	140 in · lb
Safety Information	See SDS	

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