PRODUCT DATA SHEET | ข้อมูลผลิตภัณฑ์

800-0094

2K AUTOMOTIVE PRIMER

Urethane Primer | Polyurethane Primer

VERSION

Version 1
Date 9 December 2018

PRODUCT DESCRIPTION

A Two-component Polyurethane Primer that contains polyurethane resin as the first part and isocyanate as the second part. It's provides excellent adhesion to all metals and protects against harsh conditions that can cause rust on steel surface. In addition, it can be used as heavy build filler without affecting the gloss of top/base coat.

SUITABLE SUBSTRATE

Direct to steel
Direct to Aluminum
Direct to galvanized steel
OEM Electro coat [Ecoat]
Existing finishes
Glass Reinforce Polyester laminates
Polyester Body filler

KEY CHARACTERISTICS

- Quick dry
- Primer or sealer
- Easy to sanding
- Can be tinted with Universal Mixing System #600-xxx

PHYSICAL PROPERTIES

Color	Off grey [0094]
Supply viscosity	100 ±5 KU at 30 ^{O}C
Specific gravity	1.24 ±0.05 g/cm^3
non-volatile solid	75.00 ±3% at 150 ^{O}C x 30 mins
Shelf Life	1 Year, Store in average temperature between 40 – 95 °F (5 – 35 °C). Avoid too much temperature fluctuation or direct contact with sunlight. Suitable storage temperature is 70 °F or 21°C

MIXING AND RELATED PRODUCTS

Mixing Ratio	Paint : Hardener : Thinner 4 : 1 : 1-3 [by Volume]
Activator Hardener	2K Primer hardener # 21-77 or recommended by our technician
Reducer Thinner	Standard thinner #86-100
VOC Content	180 g/L at mixing ratio 4:1:1 by volume 220 g/L at mixing ratio 4:1:3 by volume

APPLIED CONDITION

Spray Viscosity at 25^{O}C	FORD 4	15 – 20 s	
Spray equipment		Fluid tip	Spray distance
	Gravity feed	1.2-1.4 mm	15-20 cm
	Suction feed	1.4 -1.6 mm	15-20 cm
	HVLP	1.2-1.4 mm	10-15 cm
	Pressure feed	1.0-1.2 mm	15-20 cm
		Overall and panel repair	Spot repair
Spray pressure	Gravity feed	3-4 bar	2.0-2.5 bar
	Suction feed	3-4 bar	2.0-2.5 bar
	HVLP	0.7 bar at nozzle	0.7 bar at nozzle
	Pressure feed	4-6 bar	-
Number of coats	2		
Film Thickness	40-50 micron [Total dry film]		
Cover rate	Approximately 10-12 m^2. / liters of un-mixed paint per single coat.		

Drying time	15-20 ^{O}C	21-25 ^{O}C	25-30 ^{O}C	30-40 ^{O}C
	50-60 min	40-50 min	30-40 min	20-30 min

Surface Preparation	with soap and water. Rinse and wipe dry with clean cloth. Finally, clean surface using Wiping Solvent #85-4 (slow) or #85-7 (fast) with clean cloth.
	Sand steel, aluminum, or galvanized metal with 150 – 240 grit sand paper. Primer can be applied direct to metal; however, for improved adhesion to metal, we recommend priming with Epoxy Primer #58-xxxx or Etch Primer/Wash Primer #82-xxxx.
	OEM or Original Paint must be cured and sanded with 150 – 240 grit sand paper. Clear or lacquer must be sanded with 150 – 240 grit sand paper before to avoid lifting. Body filler or fiberglass must be sanded with 150 – 240 grit sand paper.
Sanding step	Final dry sanding by #P500 to #P600 before apply Topcoat - Initial sanding steps may be executed with a coarser sanding grit #P320 to #P400
	Final wet sanding step #P800 before apply Topcoat - Initial sanding steps may be executed with a coarser sanding grit P600 – P800t a maximum 200 sanding grit step difference or less throughout the sanding procedure.
Surface cleaning	Remove any surface contamination prior to the application of topcoat using an appropriate surface cleaner

PRECAUTION

Warning	For professional or trained applicator use only. Not for sale or use by the general public. Before use, read and follow all TDS, label, and SDS precautions. Flammable product. Keep outreach of children. Always wear approved organic vapor goggle and safety mask when using product. Apply paint in good ventilating area.