



TECHNICAL DATA SHEET

ADP.8001/8002

ENAMEL PRIMER TEXTURED (WHITE/BLACK)

DESCRIPTION

Polyurethane multifunctional universal primer for plastic. This product was created thanks to the rapidly growing use of plastics in the automotive sector, both for the interior and exterior of the vehicle. The product is available in two color versions: ADP.8001 – white and ADP.8002 – black.

Advantages:

1. Excellent adhesion and fast drying.
2. Unlike its colorless counterparts, the product is presented in white and black color versions, which can be mixed with each other to obtain the desired shade of gray. Also, the product allows you to achieve the level of hiding power characteristic of enamels in just two layers. Thus, avoiding their use when painting plastic car parts. The product can be applied both wet on wet and dry on dry followed by sanding.
3. The product can be used as a textured primer and recreate the original factory textured effect used by car manufacturers on the bumpers of various vehicles.

The table below shows all types of plastics that are used in the automotive sector and that can be painted with this product. However, please take into account the fact that plastics are inherently rather heterogeneous, therefore we recommend that you always do a test paint before fully painting the part.

Thermoplastics

ABS	Acrylonitrile-Butadiene-Styrene	Bumper/Spoiler
EPDM	Ethylene-Propylene-Diene-Methylene	Spoiler/Wheel arch
PP*	Polypropylene	Bumper

Thermosetting

BMC-SMC Reinforced polyester	Bumper
PUR-RIM Polyurethane	Bumper
PRFV-GFKM	

*requires burning to guarantee excellent adhesion

Options for using the product and recommendations for its application:

1. The first step in any of the product uses is mandatory surface cleaning. Therefore, before applying the primer, clean the surface with an anti-silicone solvent. Oftentimes, the anti-silicone solvent is not very aggressive, even with solvent-sensitive plastics such as ABS. Anti-silicone solvent allows you to remove any substances that impair adhesion.
2. The product can be used as 1K pigmented plastic primer. In this case the product is diluted 50% using a thinner, code ADT.4400. Spray gun settings: nozzle 1.2-1.3 mm, air pressure 1.8-2 bar. When applying, keep a distance of 15 cm from the surface to be applied, apply 2 even coats, maintaining a 10 minute interval between coats at 20 °C. If necessary, after 20 minutes at 20 °C after the application of the last layer of the product, it is possible to eliminate various defects by light sanding. After that, you can apply enamels on the primer, both water-based and solvent-based (solvent). However, if the period before applying the enamel at 20 °C exceeds 24 hours, the primer must be sanded. In this case, the primer, after use, can be stored in a closed container for up to 30 days and be used at any time.
3. The primer can be diluted 50% using thinner, code ADT.4400 and catalyzed 10% (adding hardener) using, code ADH.3300. This will allow the soil to become more resilient and elastic, which will allow it to better absorb the impact of rubble. Spray gun settings: nozzle 1.2-1.3 mm, air pressure 1.8-2 bar. When applying, keep a distance of 15 cm from the surface to be applied, apply 2 even coats, maintaining a 10 minute

interval between coats at 20 °C. After that, you can apply enamels on the primer, both water-based and solvent-based (solvent). However, if the period before applying the enamel at 20 °C exceeds 24 hours, the primer must be sanded.

4. The primer can be diluted 10-40% with thinner, code ADT.4400, and catalyzed 10% (addition of hardener) using, code ADH.3300. This will recreate the original factory textured effect used by automakers on car bumpers. In this case, the more the product is diluted, the greater the textured effect upon application. Spray gun settings: nozzle 1.2-1.3 mm, air pressure 1.4-1.5 bar. When applying, keep a distance of 15 cm from the surface to be applied, apply 2 even coats, maintaining an interval of 10 minutes at 20 °C. After applying the final coat, a final spray must be applied to create the textured effect. Spray gun settings for final spray: nozzle 1.2-1.3 mm, air pressure 1.4 bar. When applying, increase the distance from the application surface to 25-30 cm.
5. The primer can be diluted 10-20% with thinner, code ADT.4400, and catalyzed 10% (addition of hardener) using, code ADH.3300. Spray gun settings: nozzle 1.2-1.3 mm, air pressure 1.8-2 bar. When applying, keep a distance of 15 cm from the surface to be applied, apply 2 even coats, maintaining a 10 minute interval between coats at 20 °C. After 6-8 hours the primer can be sanded with P400-500 grit and painted with enamels, both water-based and solvent-based.

It is VERY IMPORTANT not to use the product at temperatures below 15 °C.








Use Flush Thinner or Nitro Thinner to flush equipment.



ADP.8001/8002











ENAMEL PRIMER TEXTURED (WHITE/BLACK)

TECHNICAL INFORMATION

TECHNICAL INFORMATION		WET ON WET	TEXTURED
	MIXING RATIO	2 : 1 Optional	2 : 1
	PRODUCT, CODE ADP.8001/8002	100 VOL	100 VOL
	HARDENER, CODE ADH.3300	10 VOL Optional	10 VOL
	THINNER, CODE ADT.4400	50 VOL	5-50 VOL
	POT LIFE (20 °C)	8 H For version with hardener	8 H
	APPLICATION VISCOSITY	18" ± 3" DIN/4	18" ± 3" DIN/4
	AIRBRUSH ADJUSTMENT	2 Turns	2 Turns
	NOZZLE	1,2 – 1,3	1,4 – 1,5
	AIR PRESSURE	1,5 – 2 HVLP/ LVLP – RP	1,6 – 1,8 HVLP/ LVLP – RP
	NUMBER OF COATS	2 Light	2 Light + Fade out
	TIME INTERVAL BETWEEN COATS	10 MIN	10 MIN

FADE OUT

(SEE ONLY IN CASES OF USING THE PRODUCT TO CREATE A TEXTURED SURFACE)

	AIRBRUSH ADJUSTAMENT	2 Turns	
	NOZZLE	1,4 – 1,5	
	AIR PRESSURE	1,4	
	DISTANCE OF THE SUPPORT	25 – 30 cm	
TECHNICAL INFORMATION		WET ON WET	TEXTURED
	FLASH TIME	10 MIN	10 MIN
	DRY DUST FREE	10–15 MIN	10–15 MIN
	READY TO USE	-	-
	THROUGH DRYING	20 °C – 8 H 60 °C – 20-30 MIN	-
	DRY FILM THICKNESS	20-30µ	20-30µ
	YIELD RFU – M² / KG X 1 µ	280 (ADP.8001) 210 (ADP.8002)	280 (ADP.8001) 210 (ADP.8002)
	ROTO-ORBITAL DRY SANDING	-	-
	ROTO-ORBITAL WET SANDING	-	-
	MANUAL SANDING ON WET	-	-
	DRY MANUAL SANDING	P400 – P600	P400 – P600
	OVERCOATABLE	20 MIN – 24 H	20 MIN – 24 H
	STORING	24 Month 5 < °C < 35	