



a d e s i v i

TECHNICAL DATA SHEET



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PRODUCT

ACRYLIC POLYURETHANE 2k PRIMER low V.O.C. (C3100)

FEATURES

Acrylic solvent-based polyurethane 2k primer respects the maximum permitted content of volatile organic compounds of D.L. 161 of 27/03/2006 and the relative European Directive 1004/42/CE: c) primer 540 g/l. MAX primer, is suitable for all car bodywork processing (total, partial paintings and retouches) and can be applied on putties and polyester and epoxy primers, bare sheets, new sheets and old paintings, zinc sheets. By changing the dilution ratio it can be used as an isolator or filling primer; it has a high hiding power, it is easy to apply, it dries rapidly and it is easy to sand.

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Specific weight	1380 ± 20 g/l	(MI 001)
Solids by weight	70 ± 1 %	(MI 006)
V.O.C.	490 ± 5 g/l (PRIMER+HARDENER+max10%DIL.)	(ASTM D2369)
Viscosity	21000 ± 1000 cP	(MI 002; $\dot{\gamma} = 1s^{-1}$)
Colour	Grey, black, red, white	
UVA Resistance	2000 h	(MI 008)

STORAGE

Keep the container well closed and stored in a cool (temperature below 25°C) and ventilated environment for a maximum period of 12 months from the date of production marked on the tin. Avoid direct sun exposure.

SAFETY RULES

Keep the room well ventilated during application and drying processes. The use of PPE during application is recommended. Read safety data sheet before use.

APPLICATION

In case of application on bare sheet, sand it with sandpapers grain - P 80 e P 150.

Mix vigorously the primer first to allow the dispersal of filler pigments, then add the hardener and shake. Apply an even coat of the product with a cross sequence. If used as insulating primer dilute with Max thinner up to maximum 10%; if used as filling primer dilute with Max thinner up to maximum 5%. Do wet sanding with 600 – 800 grit sandpaper, and dry sanding by machine with 280 – 320 grit sandpaper first, then with 360 – 400 grit sandpaper.

We recommend to apply the product using gravity feed HVLP spray gun. Do not apply on wet surfaces.













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	Mixing ratio volume / massa	100 ml : 20 ml 100 g : 14 g	
	Nozzle diameter	1,7÷1,8 mm	
	Air pressure	3.0 ÷ 4,0 bar	
	Pot life	10 - 20 min according dilution and temperature	(MI 013; 25 °C)
	Dust free time	< 5 min	(MI 012; 25 °C)
	Dry to touch	20 min	(MI 012; 25 °C)
	Full dry	< 10 h	(MI 012; 25 °C)
	Sanding	After 3 h 1) P 280-320 (dry) 2) P 360-400 (dry) 3) P 600-800 (wet)	(MI 012; 25 °C)
	Dry film thickness	150 ÷ 250 μ m	
	Theoretical yield	200 - 350 g/m ²	(MI 014)
	Number of coats	1 - 2	
	Hardener Thinner	MAX hardener MAX thinner: slow, standard, rapid	

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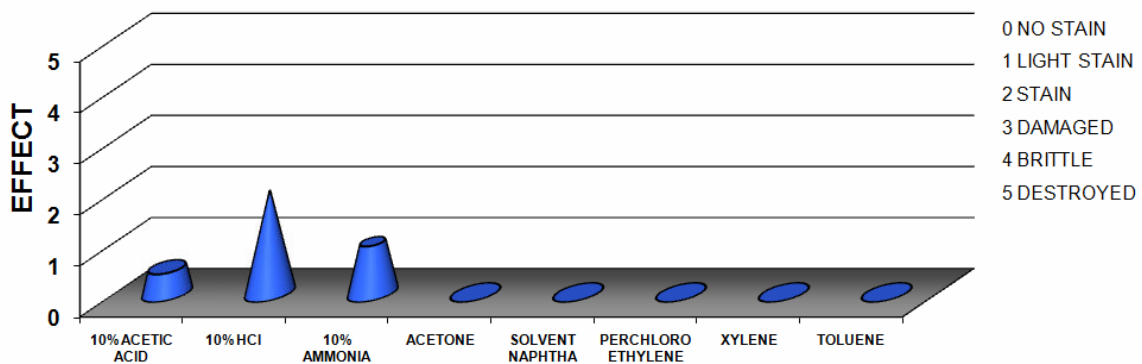
ADDITIONAL INFORMATION

DRYING (MI 012)

TEMPERATURE (°C)	DUST FREE TIME	DRY TO TOUCH	SANDING	FULL DRY
25	< 5 min	20 min	3 h	< 10 h
40	< 3 min	10 min	1 h	5 h

Max acrylic primer adheres on different metallic substrates perfectly: iron, steel, zinc sheets and aluminium. It completely resists to extreme climatic conditions and to long UV exposure; It keeps totally unchanged in contact with acid and basic chemical agents or organic solvents like naphtha solvent, toluene, xylene.

CHEMICAL RESISTANCE (MI 004)



Viscosity vs Time (MI 013)

