
ECOPRO 2K 4+1 HS URETHANE PRIMER

Field of application

Passenger cars and commercial vehicles. New or repaired vehicle parts and complete priming of vehicles

General Information

Ecopro 2K 4+1 HS Urethane Primer is a high solid, two-component, colourable (with Solid Color Top Coat) primer. It is a primer with very good filling power and adhesion properties. Easy-to-apply. It does not absorb the paints applied on it and ensures long life to the top coats.

Preparation of Substrate – Degreasing/Priming/Sanding

Ecopro 2K 4+1 HS Urethane Primer should only be applied over clean, well sanded/scuffed, and degreased surfaces. Before proceeding to the preparation stage for the primer, wash all surfaces to be painted with soap and water. Rinse and allow to dry. Degrease with an appropriate surface cleaner. Make sure all substrates are thoroughly cleaned and dried before and after each preparation step. Immediately wipe the cleaner off the panel surface using a clean, dry cloth.

Bare Steel (Small Areas): The surface must be lightly abraded and completely rust-free before application. **Ecopro 2K 4+1 HS Urethane Primer** can be applied directly but Epoxy Primer is recommended where optimum corrosion resistance is required.

Other Bare Metals: Epoxy Primer is recommended where optimum corrosion resistance is required.

Electropaint should be sanded with P360 grade paper (dry) or P600 grade (wet).

Original Paintwork or Primers should be sanded using P280-P320 grade paper (dry) or P400-P500 grade paper (wet).



GRP or Fibreglass should be sanded using P320 grade paper (dry).

Polyester Fillers should be dry sanded using a sequence of grade of paper grades suitable for the chosen application of **Ecopro 2K 4+1 HS Urethane Primer**

P80-P120 when using as a spray filler.

P80-P120-P240 when using as a primer surfacer or non-sand surfacer.

Mask entire vehicle to eliminate unwanted overspray.

Hardener and Thinner Selection

Temperature	Ecopro 4+1 Urethane Primer Hardeners	Reducers
Up to 18 °C	Ecopro 2K 4+1 HS Urethane Primer Hardener Fast	AB-URDC 5001 Uni Urethane Reducer Fast
18-25 °C	Ecopro 2K 4+1 HS Urethane Primer Hardener Medium	AB-URDC 5001 Uni Urethane Reducer Medium
25-35 °C	Ecopro 2K 4+1 HS Urethane Primer Hardener Medium	AB-URDC 5001 Uni Urethane Reducer Slow
Over 35 °C	Ecopro 2K 4+1 HS Urethane Primer Hardener Slow	AB-URDC 5001 Uni Urethane Reducer Extra Slow

Mixing Ratio

Mixing Ratio with Hardeners **as a Filler (by volume)**

4:1 Ecopro 2K 4+1 HS Urethane Primer : Ecopro 2K 4+1 HS Urethane Primer Hardeners



Mixing Ratio with Hardeners **as a Surfacer (by volume)**

4:1 Ecopro 2K 4+1 HS Urethane Primer : Ecopro 2K 4+1 HS Urethane Primer Hardeners + AB-URDC 5001 Uni Urethane Reducers

Mix Tables

	as HS FILLING PRIMER			as MS SURFACER		
	Mixing Ratio	Volume (L)	Weight (gr)	Mixing Ratio	Volume (L)	Weight (gr)
Ecopro 2K 4+1 HS Urethane Primer	4	0,645	1.000	4	0,645	1.000
Ecopro 2K 4+1 HS Urethane Primer Hardeners	1	0,160	153	1	0,160	153
AB-URDC 5001 Uni Urethane Reducers	-	-	-	0,45	0,072	65
Total Weight (g)		0,805	1.153		0,877	1.218
Application Viscosity DIN4 20 °C	40-50"			20-25"		
Pot life at 20 °C	50-90 minutes			60-100 minutes		

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Application



	Filling Primer	Surfacer
Spray gun nozzle (mm)	1,6-1,8	1,4-1,6
Air Pressure (Bar) RP, LVLP	1,8-2,2	1,8-2,2
Conventional Guns Air Pressure (Bar)	3,0-3,5	3,0-3,5
HVLP (Bar)	0,5-0,7	0,5-0,7
Number of Coats	Max 3 Coats	2-3 Coats
Flash off at 20 °C	5-10 minutes (till matting)	5-10 minutes (till matting)

Drying Times & Thickness



Air Dry 20 °C	Filling Primer	MS Surfacer
Dust free	10-15 minutes	10-15 minutes
Dry to handle	2 hours	1-2 hours
Dry to tape	3 hours	2 hours
Dry to sand	4-6 hours	2-3 hours
Forced Dry 60 °C	Filling Primer	MS Surfacer
Dust free		
Dry to handle	20-30 minutes	20-30 minutes
Dry to tape	20-30 minutes	20-30 minutes
Dry to sand	20-30 minutes	20-30 minutes
Spray gun nozzle	1.6 mm	1.6 mm
Total film build	(2-3) coats 140-210 µm	(2-3) coats 90-135 µm
Theoretical Coverage (one coat)	4-6 m ² /L 70 µm	7 - 8 m ² /L 45 µm

***All these drying conditions occur under standard application conditions (20-25 °C and 50-55 % relative humidity.) All conditions may change depending on temperature, relative humidity, and environmental conditions.

Sanding

DRY : 2K – P400 Basecoat – P500
WET : 2K – P600 Basecoat – P600+P800

Gloss : Matt

Colour : Grey, White and Black

Storage life : Under normal storage conditions and unopened tins up to 2 years.

Next Layer

All Finishes

Cleaning of Equipment



After use, clean all equipment with Universal Acrylic Thinners and Cleaning Thinners

Protection



Use suitable respiratory protection (fresh air supply respirator is strongly recommended).



For more detailed information please see Safety Data Sheet.