

Automax E100

2K Acrylic Clearcoat Varnish

Product Description

- Automax 2K Clear Coat (E100) is a medium solid acrylic clear coat varnish, used for car refinish. It is formulated from high- quality acrylic resins, solvents and additives which provide excellent gloss, very high weathering and chemical resistance. It is also colorless and gives fast drying and perfect mechanical properties.

Uses

- Suitable for use in all vehicle refinishing process.
- Provides protection and glossy appearance.

Product Feature

- Easy and reliable application.
- High gloss and gloss retention.
- High weathering and chemicals resistance.
- Transparent with perfect mechanical properties.



Technical Data

Finish	High Gloss
Color	Transparent
Volume solid %	45 % \pm 2%
Density / 25°C	1 \pm 0.05 gm. /cm ³
Viscosity	2:30 min \pm 10 seconds

Preparation of substrates

- The surface must be clean and free from oil, grease, dirt and any other foreign contaminants
- New Surface: Must be sanded and cleaned by suitable Degreaser.
- Old or Original Surfaces: well sanded and cleaned by MIDO Cleanser.

Processing

	It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.														
	<table><tr><td></td><td>Volume</td><td>Weight</td></tr><tr><td>Automax E100 MS Clear Coat</td><td>100</td><td>100 gm</td></tr><tr><td>Automax E100 Hardener</td><td>50</td><td>49 gm</td></tr><tr><td>Thinner A1 / 707</td><td>25 – 30%</td><td>24 - 29 gm</td></tr></table>				Volume	Weight	Automax E100 MS Clear Coat	100	100 gm	Automax E100 Hardener	50	49 gm	Thinner A1 / 707	25 – 30%	24 - 29 gm
		Volume	Weight												
	Automax E100 MS Clear Coat	100	100 gm												
	Automax E100 Hardener	50	49 gm												
	Thinner A1 / 707	25 – 30%	24 - 29 gm												
Note : 5-10% thinner may be added when working in high temperatures, at high air circulation level or on large surfaces															
Mix the product very well after adding the hardener and stir before application,															

Automax E100 2K Acrylic Clearcoat Varnish



4hr-5hr / 20°C, 50% rel. humidity

Application

Application viscosity	ISO 4: 37 - 45 s at 20°C DIN 4: 16 - 18 s at 20°C
Spray gun	HVLP spray gun 1.3 – 1.4mm, 1.8-2 bar at the nozzle
scroll Spray gun	2 normal coats (to get opacity). Recommended total dry film thickness is 40-50 microns.

Drying time

Flash-Off	5 minutes between spray coats Final flash-off: 10 min - 15 min		
Normal		20°C	14-16 Hours
		30°C	30 Minutes
IR	Short wave: 8 Minutes Refer to the IR equipment manufacturer's instruction for sets up.		

Theoretical coverage

- 6 – 8 m²/L per coat at 60-70 microns DFT
The practical material consumption depends on several factors, such as geometry of the object, surface formation, application method, spray gun setting and type, inlet pressure, etc.

Rectification and polishing

- In a case that some dirt has occurred, polish by machine using GEM A39 Polish compound. Polishing is easiest up to 24 h after the drying time.

Packing

- For more information, please refer to the company's price list or the nearest agent.

Storage and Shelf life

- 36 months in the original package, tightly closed at a temperature of 25 ° C and away from direct sunlight and heat

Remarks

- Material has to be at room temperature (20-25°C) before use.
- Close can of hardener Automax E100 tightly immediately after use, as this product will react with humid air and water and lose its hardening effect.
- Clean the spray gun thoroughly immediately after use of 2K products.
- Allow additional time for preheating up to panel temperature.
- The choice of Reducer should be made according to application temperature and size of repair.