

Intended use

Mipa 2K-HS-Express-Clearcoat ECX 21 is a VOC-compliant clearcoat using renewable raw materials. Suitable for the complete and partial painting of cars and commercial vehicles with particularly brilliant clearcoat leveling and optimum levelling on solvent and water-based paints.

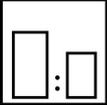
The proportion of renewable raw materials in the ready-to-spray mixture is 40 % when used with Mipa 2K-HS-Hardener EHS 25.

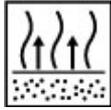
After drying for 15 minutes at 140 °F (60 °C) or alternatively 25 minutes at 104 °F (40 °C), the painted parts can be polished after cooling.

Mipa 2K-HS-Express-Klarlack ECX 21 is highly resistant to all weathering, chemical and mechanical stresses. Also suitable as a protective coating for neon colours (fluorescent colours).

Spreading rate: 410 - 495 sq.ft/gal by 1 mil. 10 - 12 m²/l 25 µm

General informations

	Colour colorless					
	Mixing ratio					
	Hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)			
	Mipa 2K-HS-Hardener EHS 25	--	2 : 1			
	Hardener					
	for complete paintwork	for partial paintwork				
	Mipa 2K-HS-Hardener EHS 25	Mipa 2K-HS-Hardener EHS 25				
	Pot life					
	70 - 80 min with Mipa 2K-HS-Hardener EHS 25 at 70°F (20 °C)					
	Thinner					
	ready for use after adding the hardener					
	Mipa 2K Thinner normal V 25 if required					
	Spray viscosity					
	gravity spray gun	Airmix/Airless				
	17 - 19 s 4 mm DIN	--				
	Application mode					
	Application mode	Hardener	pressure (bar)	nozzle (mm)	spray passes	dilution (%)
	HVLP (low pressure)	--	2 - 2,5	1,2 - 1,3	2	--
	HVLP (low pressure)	--	2 - 2,2	1,2 - 1,3	2	--
	HVLP/ internal nozzle pressure	--	0,7	--	--	--



Flash-off time

5 - 7 min between coats
10 - 15 min prior to oven drying

Dry coat thickness

2 - 2,4 mil (50 - 60 µm)



Drying time

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
70°F (20 °C)	20 - 25 min	1 - 2 h	6 - 8 h	--	--
140°F (60 °C)	--	15 min	--	--	--

Note

Storage:

In tightly closed original containers at least 3 years shelf life.
Storage temperature range 50 - 86°F (10 - 30 °C).
Protect package from direct sunlight and heat.

VOC Information:

VOC as packaged:
Less exempt solvents 395 g/l / 3.3 lb/gl.
With exempt solvents 395 g/l / 3.3 lb/gl.
VOC as applied:
2:1 with Hardener EHS 25 < 420 g/l / 3.5 lb/gl.

Always check local VOC laws to ensure that the use of Mipa products is compliant in your area.

Processing conditions:

From 59 °F (+15 °C) to 77 °F (+25 °C)
Ensure an adequate supply and exhaust air ventilation.
Acrylic-based clearcoats do not cure perfectly at a temperature of below 59 °F.

General informations:

Safety aspect:
For professional use only. Not for sale to or use by the general public. Before opening the packages be sure you understand the warning Messages on the Labels and Safety Data Sheets of all components since the mixture will have the hazards of all of its parts. The manufacturer recommends the use of an air supplied Respirator when exposed to vapors or spray mist.

Medical Response:
Emergency Medical or Spill Control Information 011 49(0)700 24112112 (MIP)
US Emergency Phone Number (for transportation incidents only) 1-800-535-5053 (Infotrac)

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