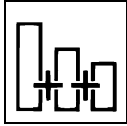




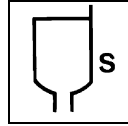
CLEARCOATS

MC450 – MACROFAN AUTOGARD UHS CLEARCOAT



1000 ml +
500 ml +
0-50 ml

Pot life at 20° C
50-90'



18" DIN4
at 20° C



Ø 1,2-1,4 mm
Ø HVLP: 1,3 mm
N° of coats: ½+1- 2



Air drying at 20°C
Handling:
3-5 h
Through-drying
24-36 h at 20° C
Low bake at 60° C:
20-40 min.

DESCRIPTION

2K UHS acrylic clearcoat based on special polymers giving scratch-resistant characteristics.

USE

Clearcoat for two-coat pearl, metallic and solid finishes, developed for painting cars and industrial vehicles, where high scratch resistance characteristics are especially required.

CHARACTERISTICS

- Excellent scratch resistance
- "Reflow" effect (superficial abrasions tend to disappear)
- Easy application
- Good vertical stability
- Excellent aesthetical appearance
- Excellent full-bodied film and brightness
- High solids content, compliant with the Directive 2004/42/CE (V.O.C.< 420 g/l)

SUBSTRATE PREPARATION

Surfaces previously painted with matt basecoat HYDROFAN.

APPLICATION

Spraying.

Mixing ratio:

volume / weight

MC450 MACROFAN AUTOGARD UHS CLEARCOAT	1000 parts
MH100-MH110-MH115-MH120 MACROFAN UHS HARDENERS	500 parts
00741-00742-00755 THINNER AUTOREFINISHING	0-50 parts

Use conditions	Complete or partial painting T: 20-35°C	Side or partial painting T: 20-30°C	1-2 parts T: 15-25°C	Touch-ups T: 15-20°C
Hardener	MH100	MH110	MH115	MH120
Time of use at 20°C and 60% R.H.	50 min.	50 min.	35 min.	25 min.

Pot life at 20°C: 50-90 min.
Spray viscosity at 20 °C: 18" DIN4

Ø Air cap: 1,2-1,4 mm; 1,3 mm HVLP spray guns
Pressure: 2,5 Atm or following the gun producer instructions
N° of coats: ½ +1 - 2
Recommended film thickness: 40 - 50 µ
Theoretical coverage at 40 µ: for 1 l mixture: 12 m²; for 1 kg mixture: 11.7 m²

DIR 2004/42/CE: Topcoat IIB/d – VOC ready for use 420 g/l
This product ready for use contains at most 420 g/l VOC

DRYING TIME

	MH100	MH110	MH115	MH120
Air drying at 20°C				
Dust-free	Not recommended	Not recommended	35 min.	25 min.
Handling			4-5 h	3-4 h
Through-drying			24-36 h	24-36 h
Low bake at 60°C object temperature: (without flash-off)				
Handling	40 min.	40 min.	30 min.	20 min.
IR Lamps: (always follow the lamps producer's instructions, times and distances change according to the colour)				
Flash-off	6-7 min.	5-6 min.	Not recommended	Not recommended
Max. Power	18-20 min.	16-18 min.		
Distance	60-80 cm.	60-80 cm.		

The curing continues in the following 3-4 days.

Low baking is recommended.

POLISHING

Follow the methods of the recommended painting process n° CL017 – CL017-a.

NOTES

If drying occurs at temperature lower than 60°C, the vehicle has not to be exposed to severe conditions in the first days after the painting.

Until the film has reached its complete crosslinking, avoid washing as well as strong humidity conditions such as dew, frost and aggressive agents (smog, detergents, salt sprinkled on roads).

TECHNICAL DATA SHEET N° 0546-GB
UPDATED 05/2017

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