



Technical datasheet

Product denomination:	MOBILUX 2C antigraffiti clear-coat																		
Product structure:	The component „A” is a material of polyacrylate resin base. Hardener (Component „B”) is a material of aliphatic polyisocyanate base.																		
Field of application:	Primarily used for repair and for refinishing of automotive, train, tram, bus and agricultural vehicles, containers. Overcoating of MOBILUX paint system to have a high quality and aesthetic surface with easy removal of graffiti from the surface.																		
Colour and gloss:	High gloss, clear																		
Highlighted properties:	<ul style="list-style-type: none"> • Excellent protection against tags, graffiti and markers • Excellent colour- and light-stability • Wide range of applications • Permanent coating • High hardness • Fulfil high demands on cleanability 																		
Non-volatile matter content, %:	64-66 (by weight)		48-52 (by volume)																
Density, g/ml, (20°C):	0,9-1,1 (mixed)																		
Hardeners:	PU 512 hardener (former MOBILUX 2C hardener (component “B”))																		
Thinners:	M012 Thinner, M013 Thinner, M011 Thinner																		
Mixing ratio:	3:1 (by weight)		3:1 (by volume)																
Pot life (20°C):	6h; Increasing of the temperature reduce the pot life.																		
Theoretical sufficiency with recommended film thickness (m²/kg):	<table border="1"> <tr> <td>wet</td> <td>80 µm</td> <td>dry</td> <td>40 µm</td> </tr> <tr> <td>wet</td> <td>120 µm</td> <td>dry</td> <td>60 µm</td> </tr> </table>	wet	80 µm	dry	40 µm	wet	120 µm	dry	60 µm	<table border="1"> <tr> <td>9,5 m²/kg</td> </tr> <tr> <td>6,3 m²/kg</td> </tr> </table>		9,5 m ² /kg	6,3 m ² /kg						
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(Practical coverage depends on many factors with respect to the shape of unit, surface roughness, condition and methods of application) The data apply for white variant. Values can vary depending on colour or gloss level.																			
Drying conditions:	at 20°C and 65% rel. humidity, in 40µm DFT with 20 min. flash-off time																		
Drying temperature:	20°C	60°C	90°C																
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Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation. Recoatable after total curing no limitation. Attention! Below 20°C drying time is radically increasing.																			
Cleaning equipment:	M023 Thinner, M100 Thinner																		
Recommended primers:	BELEPOX 2C anticorrosive primer, MOBILUX 2C anticorrosive primer, SOLVACRYL STANDARD 2C anticorrosive primer, TRITON-RAPID anticorrosive primer																		
Surface preparation																			
Basic surface:	Clean to metal iron and steel surface (recommended Sa 2 1/2), acid-proof, Chromated aluminium, phosphated and surface treated galvanized steel must be primed. The surface must be free from grease, oil, dust and pollution. Primed surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat.																		
Application conditions:	The temperature should be between +15°C and +25°C. Relative humidity of the air should not exceed 65% during application and drying. The paint is sensitive to humidity and water!																		

2/1	MOBILUX 2C clear-coat		MOBILUX 2K lakk		TDS-005-EN 21.02.19.
	Date of validity:	2020.01.02	Date of revision:	2020.01.01	



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Mixing components: First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use power mixer for mixing. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and weaken the properties of the coating.

Utilization manner:	Brushing		Spraying		Special
	+		+		+
Utilizable aerographs, equipment:	Suction tank Gravity tank	Pressure tank	Electrostatic	Airless	Airmix
Recommended equipment:	+	+	+	+	+
Measuring method:	at DIN4 20°C	at DIN4 20°C	at DIN4 20°C	at DIN4 20°C	at DIN4 20°C
Viscosity (s):	20-25	20-25	20-25	40-60	30-45
Dilution (with M012 Thinner):	15%	15%	15%	delivery form	6%
Nozzle size (mm):	1,1-1,3	1,1-1,3	1,1-1,3	0,11-0,24"	0,09-0,21"
Spraying pressure (bar):	3-5	3-5	3-5	-	0-4
Paint pressure (bar):	-	2-3	-	150-200	70-100
Specific resistance (Ωcm):	-	-	10 ⁷⁻⁵ x10 ⁸	-	-
Recommended coating systems:	Coatings name:		Number of layers:	DFT:	WFT:
1	BELEPOX 2C anticorrosive primer (EP)		1	60 µm	80 µm
	MOBILUX 2C top-coat (PUR)		1	30-50 µm*	80-90 µm
	MOBILUX 2C clear-coat (PUR)		1	40 µm	80 µm
*depends on colour variants					
VOC 2004/42/EC:	EU limit value according to Directive 2004/42/EC for this product (category A/j): 500 g/l. This product has the following maximum VOC-values: applied by airless with: 418 g/l. VOC content of the paint mixture (thinned 15% by volume) is 495 g/l.				
Keeping its quality (+5°C-+25°C):	MOBILUX 2C clear-coat:		12 months in unopened original packaging		
	PU 512 hardener (MOBILUX 2C hardener (component "B")):		6 months in unopened original packaging		
Health and safety:	Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. Safety data sheet is available on request. For industrial and professional use only!				