



Technical datasheet

Product denomination:	MOBILUX 2C polyurethane top-coat																		
Product structure:	The component „A” is a pigmented material of polyacrylate resin base. 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.																		
Colour and gloss:	Basic colours, RAL and another shades are available on request.																		
Highlighted properties:	<ul style="list-style-type: none"> • Excellent protection against corrosion • Excellent colour- and light-stability • Wide range of applications • Good applicability 																		
Non-volatile matter content, %:	55-65 (by weight)	40-45 (by volume)																	
Density, g/ml, (20°C):	1,0-1,2 (mixed)																		
Hardeners:	MOBILUX 2C hardener (component “B”)																		
Thinners:	M012 Thinner, M013 Thinner, M011 Thinner																		
Mixing ratio:	4:1 (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>100 µm</td> <td>dry</td> <td>40 µm</td> </tr> <tr> <td>wet</td> <td>140 µm</td> <td>dry</td> <td>60 µm</td> </tr> </table>	wet	100 µm	dry	40 µm	wet	140 µm	dry	60 µm	<table border="1"> <tr> <td>8,1 m²/kg (colour dependent)</td> </tr> <tr> <td>5,8 m²/kg (colour dependent)</td> </tr> </table>		8,1 m ² /kg (colour dependent)	5,8 m ² /kg (colour dependent)						
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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																
Drying levels:	<table border="1"> <tr> <td>surface dry (ISO 9117-3:2010)</td> <td>1 hrs.</td> <td>30 min.</td> <td>10 min.</td> </tr> <tr> <td>touch dry (ISO 9117-6:2012)</td> <td>3 hrs.</td> <td>60 min.</td> <td>15 min.</td> </tr> <tr> <td>overcoatable</td> <td>16 hrs.</td> <td>2 hrs.</td> <td>35 min.</td> </tr> <tr> <td>thorough drying (ISO 9117-4:2012 ; 5)</td> <td>24 hrs.</td> <td>3 hrs.</td> <td>45 min.</td> </tr> </table>	surface dry (ISO 9117-3:2010)	1 hrs.	30 min.	10 min.	touch dry (ISO 9117-6:2012)	3 hrs.	60 min.	15 min.	overcoatable	16 hrs.	2 hrs.	35 min.	thorough drying (ISO 9117-4:2012 ; 5)	24 hrs.	3 hrs.	45 min.		
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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 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 és +25°C. Relative humidity of the air should not exceed 65% during application and drying. The paint is sensitive to humidity and water!																		
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.																		

2/1	MOBILUX 2C top-coat	MOBILUX 2K zománccfesték	TDS-002 20.08.11.
	Date of validity:	2015.01.02	



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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):	5%	5%	5%	szállítási forma	2%
Nozzle size (mm):	1,4-1,8	1,2-1,8	1,4-1,6	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):	-	-	$2 \times 10^6 - 5 \times 10^7$	-	-
Recommended coating systems:	Coatings name:		Number of layers:	DFT:	WFT:
1	Belepox epoxy anticorrosive primer		1	50 μm	75 μm
	Belepox epoxy anticorrosive primer		1	40 μm	60 μm
	MOBILUX 2K polyurethane top-coat		1-2	40 – 60* μm	50 - 70 μm
2	MOBILUX 2K polyurethane anticorrosive primer		1	50 μm	75 μm
	MOBILUX 2K polyurethane filling primer		1	40 μm	80 μm
	MOBILUX 2K polyurethane top-coat		1-2	40 – 60* μm	50 - 70 μm
3	Belepox epoxy anticorrosive primer		1	50 μm	75 μm
	MOBILUX 2K polyurethane filling primer		1	40 μm	80 μm
	MOBILUX 2K polyurethane top-coat		1-2	40 – 60* μm	50 - 70 μm
*depends on colour variants					
VOC 2004/42/EC:	EU limit value according to Directive 2004/42/EC, this product has the following maximum VOC-values (Volatile Organic Compounds), applied by airless (category A/j): 420 g/l				
Keeping its quality (+5°C-+25°C):	MOBILUX 2C top-coat:		12 months in unopened original packaging		
	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!				