

MOBIHEL[®]

... for the cars we love

2K 2:1 CLEARCOAT MATT LOW VOC

The product is intended for painting of small plastic parts (bumpers, mirror covers, side crossbars etc.). It is distinguished for strong matt effect (gloss 5-15%), High elasticity, excellent mechanical and chemical resistance, it may be mixed with MOBIHEL 2K clearcoats to enable the achievement of different levels of matt effect.



PACKING DATA

Packing:
6 x 1.0 l

Index:
47056422

ASSOCIATED PRODUCTS

MOBIHEL 2K HARDENER 1100

Packing:
6 x 0.25 l
6 x 0.5 l
6 x 1.0 l
4 x 2.5 l
4 x 5.0 l

Index:
41672291
41672261
41672222
41672203
41672214

MOBIHEL 2K HARDENER 1300

Packing:
6 x 0.5 l
6 x 1.0 l

Index:
41672661
41672602

MOBIHEL 2K HARDENER 1500

Packing:
6 x 0.5 l
6 x 1.0 l
4 x 5.0 l

Index:
41672701
41672702
41672714

MOBIHEL 2K HARDENER 4100

Packing:
6 x 0.5 l
4 x 2.5 l

Index:
41958381
41958313

MOBIHEL 2K HARDENER 4300

Packing:
6 x 0.5 l
4 x 2.5 l

Index:
47774901
47774903

MOBIHEL 2K HARDENER 4500

Packing:
6 x 0.5 l
4 x 5.0 l

Index:
47088821
47088813

MOBIHEL 2K THINNER 2100

Packing:
12 x 0.5 l
4 x 5.0 l

Index:
41672151
41672114

MOBIHEL 2K THINNER 2300

Packing:
12 x 0.5 l
12 x 1.0 l
4 x 5.0 l

Index:
41672351
41672302
41672314

MOBIHEL 2K THINNER 2500

Packing:
12 x 0.5 l
4 x 5.0 l

Index:
41672951
41672914

HYGIENE & PERSONAL PROTECTION



TECHNICAL CHARACTERISTICS

Colour: Opaque white

Product type: Acrylic resins

Density: 1,035 g/ml



2004/42/II B(e) (840) 530
EU limit value VOC for this type of product (category II B (e)) in the form, which is ready for application is 840 g/l. VOC of this product, prepared for use is 530 g/l.



2K materials react with humidity; take care that all containers and tools are absolutely dry. While coating, the interior relative humidity should not exceed 80%.

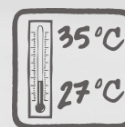
SUBSTRATE

MOBIHEL BASE
MOBIHEL HYDRO BASE

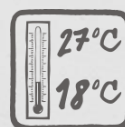
PRODUCT PREPARATION/MIXING



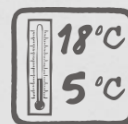
Mixing ratio by volume:



2 parts MOBIHEL 2K 2:1 CLEARCOAT MATT
1 part MOBIHEL 2K HARDENER 1300
20% MOBIHEL 2K THINNER 2100



2 parts MOBIHEL 2K 2:1 CLEARCOAT MATT
1 part MOBIHEL 2K HARDENER 1100
20% MOBIHEL 2K THINNER 2100



2 parts MOBIHEL 2K 2:1 CLEARCOAT MATT
1 part MOBIHEL 2K HARDENER 1500
20% MOBIHEL 2K THINNER 2100



Mixing ratio by weight:

:

100 g MOBIHEL 2K CLEARCOAT MATT
48 g MOBIHEL 2K HARDENER 1100 or
1300 or 1500
26 g MOBIHEL 2K THINNER 2100

PRODUCT PREPARATION/MIXING



Pot life of the mixture at 20°:

3 h



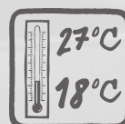
Viscosity (RFU):

17 - 19 s
DIN 53211 ϕ 4mm/ 20°C

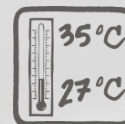
OR



Mixing ratio by volume:



3 parts MOBIHEL 2K 2:1 CLEARCOAT MATT
1 part MOBIHEL 2K HARDENER 4100
30% MOBIHEL 2K THINNER 2100



3 parts MOBIHEL 2K 2:1 CLEARCOAT MATT
1 part MOBIHEL 2K HARDENER 4300
30% MOBIHEL 2K THINNER 2100



3 parts MOBIHEL 2K 2:1 CLEARCOAT MATT
1 part MOBIHEL 2K HARDENER 4500
30% MOBIHEL 2K THINNER 2100



Mixing ratio by weight:

100 g MOBIHEL 2K CLEARCOAT MATT
33 g MOBIHEL 2K HS HARDENER 4100
or 4300 or 4500
35 g MOBIHEL 2K THINNER 2100



Pot life of the mixture at 20°:

3 h



Viscosity (RFU):

17 - 19 s
DIN 53211 ϕ 4mm/ 20°C

APPLICATION



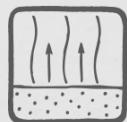
Application with spray gun:

1,2 – 1,3 mm
2 – 2,5 bar RP
2 polna nanosa = 50 - 60 μ m



Number of layers:

2 full layers
DFT: 50 - 60 μ m



Flash-off:

15 min/20°C between coats

NOTE: Flash-off prior to drying:

in case that spray booth doesn't have automatic flash-off, you need to flash-off 10 minutes prior to drying in the oven

DRYING



Drying time at 20°C:

16 h

Drying time at 60°C:

30 min (object temperature)

Table of matt effect level
Table shows weight ratio of mixing of clearcoats with regard to matt effect level.

	Gloss level			Combination with different hardeners	
	Semi-matt ca. 40%	Semi-gloss ca. 60%	Gloss ca. 80%	MOBIHEL 2K hardener	MOBIHEL 2K HS hardener
MOBIHEL 2K clearcoat matt low VOC	87 g	80 g	70 g	2:1 MOBIHEL 2K hardener 1100 or 1300 or 1500 + 20% MOBIHEL 2K thinner 2100	3:1 MOBIHEL 2K HS hardener 4100 or 4300 or 4500 + 30% MOBIHEL 2K thinner 2100
MOBIHEL 2K HS 2:1 clearcoat DH low VOC	13 g	20 g	30 g		
MOBIHEL 2K clearcoat matt low VOC	83 g	70 g	60 g	2:1 MOBIHEL 2K hardener 1100 or 1300 or 1500 + 10% MOBIHEL 2K thinner 2100 or 2300 or 2500	3:1 MOBIHEL 2K HS hardener 4100 or 4300 or 4500 + 20% MOBIHEL 2K thinner 2100 or 2300 or 2500
MOBIHEL 2K 2:1 clearcoat anti scratch	17 g	30 g	40 g		
MOBIHEL 2K bclearcoat matt low VOC	85 g	80 g	70 g	2:1 MOBIHEL 2K hardener 1100 or 1300 or 1500 + 10% MOBIHEL 2K thinner 2100 or 2300 or 2500	3:1 MOBIHEL 2K HS hardener 4100 or 4300 or 4500 + 20% MOBIHEL 2K thinner 2100 or 2300 or 2500
MOBIHEL 2K 2:1 clearcoat FG anti scratch	15 g	20 g	30 g		

Matt effect level depends on the following factors (influence of factors may cause change in gloss level also for 10 -20 %)

factor	Higher gloss	Lower gloss
Deaeration time between coats	shorter	longer
Coat thickness	higher	lower
hardener	slower	quicker
thinner	slower	quicker
Working viscosity	higher	lower
Drying method	forced drying in the oven	air drying
Hardner solid substance	high solid substance	low solid substance

SHELF LIFE



Shelf life::

1 year

PREVIDNOSTNI STAVKI

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. - Do not breathe dust/fume/gas/mist/vapours/spray. Avoid release to the environment. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention.

Product contains organic solvents.

Repeated exposure may cause skin dryness or cracking

SAMO ZA PROFESIONALNO UPORABO