

# simplex

## SIMCRYL PM.2112.XU i PM.2122.XU

### Semi-matt acrylic topcoat



**Agricultural,  
Construction  
& Earthmoving  
(ACE)**



**Buses  
& Truck  
Cabins**



**Commercial  
Vehicles  
& Cranes**



**Fork-lift  
& Handling  
Equipment**



**Machinery  
& Technical  
Equipment**

### PRODUCT DESCRIPTION

Acrylic topcoat with fast drying time and durable color. It is characterized by its excellent covering power and ease of application.

In combination with simplex acrylic pigments, it has high UV resistance. The product's excellent flow and scratch resistance allows it to be used in many markets, but especially where excellent quality and efficiency are required. It can be applied over a variety of epoxy, acrylic or polyurethane primers.

In combination with **PM.1422.RE** epoxy primer, it has a corrosion protection of C4-M (C3-H) level already at 120 µm of system thickness (DFT).

This topcoat can be used wherever a low gloss level is required, but at the same time a high final coating quality is needed. It is recommended for painting commercial and agricultural vehicle components, frames, cranes, fork-lifts, trucks or machinery and technical equipment.

Its full-gloss equivalent is **SIMCRYL PM.2119.XU**. By mixing these two products, different (intermediate) gloss levels can be obtained (depending on the ratio in which they are mixed).

### TECHNICAL DATA

<b>Density at 20°C</b>	1,002 ± 0,01 kg/l	
<b>Delivery viscosity</b>	41" ± 2 DIN4 (sek.)	
<b>Solids content of A component</b>	37-58,3 %	by weight
	36,9-58,1 %	by volume
<b>Solids content of A+B mixture</b>	41-58,3 %	by weight
	39,9-56,78 %	by volume
<b>Solids content in RFU (A+B+C)</b>	37-53 %	by weight
	36-51,6 %	by volume
<b>V.O.C of the product</b>	720 g/l	
<b>V.O.C in the mixture (A+B)</b>	308-519 g/l	
<b>Available colours</b>	RAL, NCS, PANTONE and all solid colors used in the automotive industry	
<b>Available hardeners</b>	Polyurethane and acrylic hardener <b>PM.6230</b> standard	
<b>Available thinners</b>	<b>CP 070</b> (slow), <b>CP 075</b> (very slow), <b>CP 040</b> (standard)	
<b>Gloss 60°</b>	~ 20%	
<b>Theoretical yield</b>	7-8 m <sup>2</sup> (50 µm)	

Recipe of the product in accordance with VOC guidelines (Regulation of the Minister of Economy and Labor of January 16, 2007 on the reduction of VOCs, Regulation of the Minister of Environment of December 20, 2005 on emission standards from installations). The products supplied by our company undergo many factory tests, thanks to which they can meet the highest requirements. However, you should remember about the individual conditions of storage, preparation and application, which may affect the effect of the coating. The guarantee of maintaining the highest quality of the coating is the use of the product only with products from the Producer and in accordance with the Manufacturer's recommendations. The Producer does not guarantee the preservation of the parameters and compatibility of the Products with products not from the Producer. The condition for recognizing the warranty and any claims is the correct application of the technology and technique of using the Products - in accordance with the technical sheet and performing a test spraying before the target painting.

Multichem Sp. z o.o. | 62-030 Luboń, ul. Przemysłowa 2 | tel. +48 61 893 37 31, fax +48 61 893 37 32 | e-mail: info@multichem.pl www.multichem.pl



## THE TYPE OF SUBSTRATE TO WHICH THE PRODUCT CAN BE APPLIED

Steel, aluminum, and GRP parts protected by old coatings with stable characteristics or in **SIMPLEX/ PROFIX** primers.



## SURFACE PREPARATION BEFORE PAINTING

Apply to clean, sanded, degreased surfaces (e.g. with **CP 015** quick remover or **CP 016** slow remover), or in the wet-on-wet method.



## PRODUCT PREPARATION




Mixing ratio with hardeners and thinners

<b>CONVENTIONAL SPRAYING</b> traditional spraying gun / airspray / diaphragm pump			
<b>BY WEIGHT</b>	<b>A</b>	<b>B</b>	<b>C</b>
5:1	100 g	20 g	6-11 g
<b>BY VOLUME</b>	<b>A</b>	<b>B</b>	<b>C</b>
5:1	100 parts	20 parts	5-10 %
<b>AIRMIX</b>			
<b>BY WEIGHT</b>	<b>A</b>	<b>B</b>	<b>C</b>
5:1	100 g	20 g	6-11 g
<b>BY VOLUME</b>	<b>A</b>	<b>B</b>	<b>C</b>
5:1	100 parts	20 parts	5-10%
<b>AIRLESS</b>			
<b>BY WEIGHT</b>	<b>A</b>	<b>B</b>	<b>C</b>
5:1	100 g	20 g	0-11 g
<b>BY VOLUME</b>	<b>A</b>	<b>B</b>	<b>C</b>
5:1	100 parts	20 parts	0-10%



## APPLICATION

The substrate temperature should be at least 3°C higher than the dew point. Application in rooms with adequate ventilation is recommended.

CONVENTIONAL SPRAYING traditional spraying gun / airspray / diaphragm pump			
	<b>nozzle</b>  1,3-1,6	<b>air pressure</b>  1,8-2,2 BAR	<b>air assisted pressure</b>  not applicable
<b>application viscosity DIN 4 mm at 20°C</b>  18-22 sek.			
AIRMIX			
	<b>nozzle</b>  0,009- 0,013	<b>air pressure</b>  2- 3 BAR	<b>air assisted pressure</b>  2-3 BAR
<b>application viscosity DIN 4 mm at 20°C</b>  25-35 sek.			
AIRLESS			
	<b>nozzle</b>  0,009-0,011 0,011- 0,015	<b>air pressure</b>  2- 3 BAR	<b>air assisted pressure</b>  not applicable
<b>application viscosity DIN 4 mm at 20°C</b>  40-50 sek.			



**Pot life**

4h



**Application**

1,5-2 layers  
of 50-100 µm each



**FLASH OFF**

15-20 min  
depending on  
the thickness of  
the layers (WFT)



**Roller  
application**

0-5%  
thinner  
CP 075



## DRYING TIME

<b>Dust dry</b>	30-45 min at 20°C
<b>Ready to handle</b>	3-4 h at 20°C
<b>Tape free</b>	12 h at 20°C
<b>Touch dry</b>	3-4 h at 20°C
<b>Through dry</b>	7 days at 20°C
<b>Drying / heating</b>	30 min at 60°C or 20 min 70°C

The products should be stored in tightly closed packaging in a ventilated and cool room. Recommended storage temperature: 5-30°C. Protect from sunlight. Shelf life: 24 months from date of production.