

simplex

SIMPUR PM.4212.KH i PM.4222.KH

Anticorrosive matt DTM



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



**Buses
& Truck
Cabins**



**Commercial
Vehicles
& Cranes**



**Fork-lift
& Handling
Equipment**



**Machinery
& Technical
Equipment**

PRODUCT DESCRIPTION

High-quality anticorrosive matte polyurethane-acrylic DTM. This product is characterized by easy application and excellent aesthetic qualities. Due to its good thixotropy, it can be applied using various methods (airmix, airless, airspray), but the best visual results are achieved with traditional spraying guns (airspray). When combined with **Simplex** pigments, it creates a durable coating with high UV resistance. It works exceptionally well in situations where a quick and efficient painting process is desired.

Its satin counterpart is **PM.4215.KH**.

TECHNICAL DATA

| | | |
|--------------------------------------|------------------------------------------------------------------------|-----------|
| Density at 20°C | 1,247-1,364 kg/l | |
| Delivery viscosity | 11" DIN 8 mm | |
| Solids content of A component | 58-65 % | by weight |
| | 46-48 % | by volume |
| Solids content of A+B mixture | 57-63 % | by weight |
| | 47-49 % | by volume |
| Solids content in RFU (A+B+C) | 47-52 % | by weight |
| | 41-43 % | by volume |
| V.O.C of the product | 478-515 g/l | |
| V.O.C in the mixture (A+B) | 287-342 g/l | |
| Available colours | RAL, NCS, PANTONE and all solid colors used in the automotive industry | |
| Available hardeners | PM.6830 | |
| Available thinners | CP 040, CP 070, CP 075 | |
| Gloss 60° | ~ 20% | |
| Theoretical yield | 7-8 m ² (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.

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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

In any case, the surface should be free of any dirt, oxides or grease prior to painting. Fast **CP 015** or slow **CP 016** degreaser can be used to degrease the surface.

Steel, black steel

The primer has direct adhesion to uncoated steel surfaces that have been thoroughly cleaned and degreased. For best results, it is recommended that the surface should be pre-treated to at least Sa2.5 or manually matted with abrasives to St3 grade.

Aluminum

Thoroughly degrease and clean the surface. For increased adhesion, we recommend at least matting the surface with a non-woven material (maroon or red 320) or abrasives.

Galvanized steel

In any case, it is recommended to „sweep” the surface with an abrasive material. Due to the varying quality of the zinc, it is recommended to carry out an adhesion test beforehand. The galvanized surface should be seasoned before painting.

Polyester laminates (GRP)

Thorough cleaning and degreasing of the surface. To increase adhesion, it is recommended to at least roughen the surface with a non-woven cloth (maroon or red 320) or abrasives.



PRODUCT PREPARATION

Mixing ratio with hardeners and thinners

| CONVENTIONAL SPRAYING | | | |
|-------------------------------------------------------------|-----------|----------|----------|
| traditional spraying gun / airspray / diaphragm pump | | | |
| BY WEIGHT | A | B | C |
| 5:1 | 100 g | 20 g | 19-39 g |
| BY VOLUME | A | B | C |
| 4:1 | 100 parts | 25 parts | 15-25% |
| AIRMIX | | | |
| BY WEIGHT | A | B | C |
| 5:1 | 100 g | 20 g | 13-32 g |
| BY VOLUME | A | B | C |
| 4:1 | 100 parts | 25 parts | 10-20% |
| AIRLESS | | | |
| BY WEIGHT | A | B | C |
| 5:1 | 100 g | 20 g | 0-20 g |
| BY VOLUME | A | B | C |
| 4:1 | 100 parts | 25 parts | 0-15% |



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 | | | |
|-------------------------------------------------------------------------------|---------------------|------------------------------|---------------------------------------------------|
| nozzle | air pressure | air assisted pressure | application viscosity DIN 4 mm at 20°C |
| 1,5-2,0 | 2-4 BAR | not applicable | 20-28 sec. |
| AIRMIX | | | |
| nozzle | air pressure | air assisted pressure | application viscosity DIN 4 mm at 20°C |
| 0,009-0,013 | 2-4 BAR | 1-2,5 BAR | 22-35 sec. |
| AIRLESS | | | |
| nozzle | air pressure | air assisted pressure | application viscosity DIN 4 mm at 20°C |
| 0,011-0,015 | 2-4 BAR | not applicable | 40-60 sec. |



Pot life

2-3h



APPLICATION

1-2 layers
50-100 µm each



FLASH OFF

10-20 min
according
from the thickness
layers (WFT)



**Roller
application**

0-10%
thinner



DRYING TIME

| | |
|-------------------------|----------------|
| Dust dry | 20 min at 20°C |
| Ready to handle | 60 min at 20°C |
| Tape free | 6 h at 20°C |
| Touch dry | 4 h at 20°C |
| Through dry | 7 days |
| Drying / heating | 30 min at 60°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.