

TECHNICAL INFORMATION

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Modular Industrial Line **Product name: polyurethane topcoat with matt** **APP Lack PUR 30-200 Matt 4:1. APP No.: 0270126.**

Two-component smooth polyurethane matt lacquer. Intended for painting commercial vehicles, tractor trailers, tanks, machine parts, buses and trams. Highly resistant to mechanical influences, impacts and scratches, as well as chemical agents: acids and alkalis in low concentrations, grease and petrol.

Product and accessories. APP Lack PUR 30-200 Matt,
APP Hardener PUR 30-710,
APP Thinner Universal 30-810.

Basic ingredients. APP Lack PUR 30-200 Matt – polyurethane binder, pigment paste and additives,
APP Hardener PUR 30-710 – isocyanate hardener: fast/FAST, standard/STANDARD and slow/SLOW
APP Thinner Universal 30-810 – universal thinner.

Colour. Matt colours made according to formulas included in APP Modular Industrial Line.
APP 0270126 – 20 + 80 (pigment paste + binder)

Surface texture. Smooth.

Gloss. <10 for 60° – matt.

Adjustment of gloss by mixing Lack PUR 30-200 Gloss with Lack PUR 30-200 Matt.

Lack PUR 30-200 Gloss	Lack PUR 30-200 Matt	Hardener PUR 30-710	Gloss 60°	Category
100	0	4:1	> 95	Gloss
75	25	4:1	85-95	Gloss
50	50	4:1	75-85	Semi-Gloss
40	60	4:1	60-75	Satin
25	75	4:1	40-50	Satin
0	100	4:1	< 10	Matt

The degree of gloss/matt depends on the colour, amount of thinner, dry layer thickness, substrate and drying temperature.

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Specific weight.	1.2 kg/L at 20°C
Binder solids content.	55-59% (by weight) 39-43% (by volume)
Solids content of ready-to-use lacquer without thinner.	55-60% (by weight) 40-45% (by volume)
Resistance.	<ul style="list-style-type: none">• 1440 h – salt chamber test,
Theoretical efficiency.	For binder: <ul style="list-style-type: none">• 540-740 m²/L for 1 µm dry layer. For ready-to-use paint without thinner: <ul style="list-style-type: none">• 400-450 m²/L for 1 µm dry layer. Note! In practice, efficiency depends on factors, such as the shape of the object, the roughness of the substrate, the application method and the working conditions.
Corrosion protection class according to ISO 12944.	For APP Primer EP 30-620 + APP Lack PUR 30-200 Matt (240µm + 60µm): <ul style="list-style-type: none">• for corrosion class C5, durability H (15 to 25 years).
Application.	Intended for painting commercial vehicles, tractor trailers, tanks, machine parts, buses and trams.
<u>Advantages</u>	<ul style="list-style-type: none">• Matt, good mechanical resistance, hardness and elasticity.• For the desired matt level, it is miscible with APP Lack PUR 30-200 Gloss.• Easy preparation and application.• Recommended for a wide range of industrial applications.• Good quality finish and good weather and UV resistance.• It has a high chemical resistance to engine oil, diesel and H₂SO₄, NaOH and HCl solutions in low concentrations.

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Substrate

Pre-sanded factory coatings.

Surfaces coated with:

- epoxy primers, e.g. APP Primer EP 30-620, APP Grund EP, APP Grund EP Spray,
- polyurethane primers, e.g. APP Primer PUR 30-630,
- insulating and adhesive primers, e.g. APP Sealer PUR 30-640,
- acrylic primers, e.g. APP Acrylfiller 401, APP Acrylfiller 501, APP Acrylfiller Rapid, APP Acrylfiller Compact,
- single-component fillers, e.g. APP Primer Filler, APP Primer Filler Spray
- insulating and filling primer APP Smart Primer Spray,
- Adhesion primers, e.g. APP Kunststoff Primer.

Substrate preparation.



Existing finishes.

- Dry sand with P320-P360 abrasive paper. Hand sanding finish with sandpaper on a P500-P600 sponge.
- Sand by hand with P600-P800 waterproof sandpaper.



Before spraying APP Lack PUR 30-200 Matt, clean the lacquered surface of dust and degrease it with APP WB910, APP W911 or APP W900 remover using APP Premium cleaner.

For final dust removal, use APP SAS or APP SAS Aqua dust-absorbing cloths.



Optionally, dry sand the APP Primer EP 30-620 and APP Primer PUR 30-630 primers with P320 machine.

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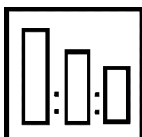
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Application

Mixing ratios.



Volume mixing ratios for temperatures of 18-25°C:

4 volumes APP Lack PUR 30-200 Matt

1 volume APP Hardener PUR 30-710:

- small surfaces – FAST/STANDARD
- large surfaces – STANDARD

10-15% APP Thinner Universal 30-810
max 20%

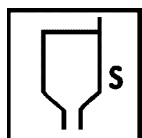
Volume mixing ratios for temperatures >25°C:

4 volumes APP Lack PUR 30-200 Matt

1 volume APP Hardener PUR 30-710:

- small surfaces – STANDARD
- large surfaces – slow/SLOW

10-15% APP Thinner Universal 30-810
max 20%



Spray viscosity at +20°C: 20-23 s F/4.

Note!

Use only APP Hardener PUR 30-710.

Do not exceed the recommended hardener amount.

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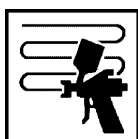
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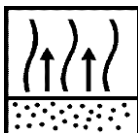
Application.



Apply with a spray gun equipped with a $\varnothing 1.3\text{-}\varnothing 1.5$ mm nozzle at an air pressure of 2.0 to 3.0 bar.

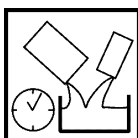


Number of layers: 2 x 1.
Dry coating thickness: 65-75 μm .



Evaporation time between coats at +20°C:

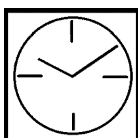
- 10 minutes.



Shelf life of ready-to-use paint mixture:

- 3-3.5 hours.

Drying.



At +20°C:
Manipulability: 5 h – 6 h.
Cross-slip hardening: 10 h – 12 h.

At +60°C:
Cross-slip hardening: 30-40 min.



IR radiator: 20-30 min.

The coating achieves its full performance properties after a seasoning period, i.e. after 10 to 15 days at 18-22°C.

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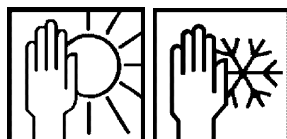
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Equipment cleaning. Nitrocellulose, PUR or acrylic solvent.

Storage



Store in closed original packaging in a dry and well-ventilated room, at +5°C to + 30°C.

Protect from frost and direct sunlight.

OHS regulations



For professional use only.

See text on product labels or SDS.

The user must comply with the OHS regulations in force in the country concerned.

VOC

VOC in g/L: 2004/42/EC – II A (j) (500)

Permissible VOC content in g/L in the ready-to-use product:

500 g/L for APP Lack PUR 30-200 Matt.

Maximum VOC content in g/L in the ready-to-use product with 20% thinner addition:

>500 g/L for APP Lack PUR 30-200 Matt.

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