

TECHNICAL INFORMATION

Date drafted:
19.08.2022



Date updated:
23.06.2023

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Modular Industrial Line
Product name: APP Lack AY/PUR 30-140 Predator Tint Textured
Satin 3:1 acrylic polyurethane structural lacquer.
APP No.: 0270150.

Two-component acrylic-polyurethane structural lacquer in satin. Designed for long-term protection of cargo spaces against mechanical and chemical damage and for corrosion protection. 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 AY/PUR 30-140 Predator Tint Textured Satin,
APP Hardener PUR 30-710,
APP Thinner Universal 30-810.

Basic ingredients. APP Lack AY/PUR 30-140 Predator Tint Textured Satin –
polyurethane/acrylic 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. Smooth colours in satin finish according to formulas included in
APP Modular Industrial Line.
Possible one pigmentation ratio for APP 0270150:

- 10 + 90 (pigment paste + binder).

Surface texture. Structural varnish.

Gloss. Satin.

Specific weight. 1.1 kg/L at 20°C

Binder solids content. 70-74% (by weight)
61-67% (by volume)

Solids content of ready-
to-use lacquer without
thinner. 61-70% (by weight)
53-58% (by volume)

Heat resistance.

- Extended up to +85°C.

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| | |
|-------------------------|---|
| Theoretical efficiency. | <p>For binder:</p> <ul style="list-style-type: none">• 710-830 m²/L for 1 µm dry layer. <p>For ready-to-use paint without thinner:</p> <ul style="list-style-type: none">• 530-580 m²/L for 1 µm dry layer. <p>Note!</p> <p>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.</p> |
| Application. | <p>APP Lack AY/PUR 30-140 Predator Tint Textured Satin is a coating with very high mechanical and chemical resistance. It is designed to cover the cargo areas of trailers, off-road vehicles and pick-up bodies that can be exposed to the most demanding conditions, both physical and environmental.</p> |
| <u>Advantages</u> | <ul style="list-style-type: none">• Intended for colouring with pigment pastes from the APP Modular Industrial Line system.• Possibility of simple texture adjustment.• High mechanical resistance (abrasion, scratches, etc.).• High chemical resistance.• Very good corrosion protection.• Weatherproof and UV-resistant, high hardness and elasticity.• Excellent adhesion on a variety of surfaces.• Heat resistance up to +85°C. |
| <u>Substrate</u> | <p>Steel, galvanised sheet steel, aluminium, plastics, polyester laminates and old OEM coatings, cataphoresis.</p> <p>Surfaces pre-treated with:</p> <ul style="list-style-type: none">• polyurethane and acrylic primers,• epoxy primers, e.g: APP Primer EP 30-620 or APP Grund EP,• primers, such as: APP Haftgrund and APP Kunststoff Primer. <p>Wet-on-wet work on APP Primer PUR 30-630 WoW.</p> <p>It is possible to coat without sanding with APP Primer EP 30-620 Grey epoxy primer from 3 h to 7 days or APP Grund EP after 45 min at 20°C or 15 min at 60°C after its application.</p> |

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Substrate preparation.



Dry level existing finishes and polyester products with P320-P360 sandpaper.

Dry sand surfaces coated with factory paints and primers using P320-P360 abrasive paper, or wet sand surfaces using P400-P600 abrasive paper.

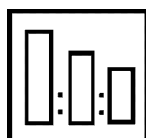
Before spraying APP Predator Tint, clean the treated surface of dust and degrease it with W900 or W911 remover.

Before spraying APP Lack AY/PUR 30-140 Predator Tint, 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.

Application

Mixing ratios.



A) For spraying with a maintenance/barrel gun:

| | |
|-----------|--|
| 3 volumes | APP Lack AY/PUR 30-140 Predator Tint Satin |
| 1 volume | APP Hardener PUR 30-710 |
| 0-5% | APP Thinner Universal 30-810 |

B) For paint gun spraying:

| | |
|-----------|--|
| 3 volumes | APP Lack AY/PUR 30-140 Predator Tint Satin |
| 1 volume | APP Hardener PUR 30-710 |
| 5-10% | APP Thinner Universal 30-810 |

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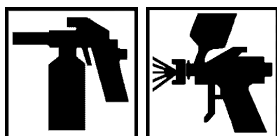
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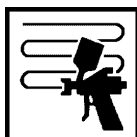
Application.



Apply with a spray maintenance/barrel gun at an air pressure of 2-4 bar or with a paint gun equipped with a $\varnothing 1.5$ - $\varnothing 2.5$ mm nozzle at an air pressure of 1.5 to 2.2 bar.

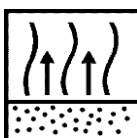
Note!

The best spraying results are obtained using a spray gun for dense masses with an adjustable nozzle or a pneumatic maintenance gun with a pressure tank.



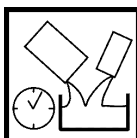
Number of layers: 1-2 x 1.

Dry coating thickness: 180-230 μm for a single layer.



Evaporation time between coats at +20°C:

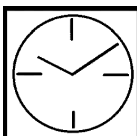
- 45-60 minutes.



Shelf life of ready-to-use paint mixture:

- 1 hour.

Drying.



At +20°C:

Manipulability: 45-60 minutes.

Cross-slip hardening: 12 h.

Small loads: 2-3 days.

At +60°C:

Cross-slip hardening: 30 min.

IR radiator: Not recommended.



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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Sanding.

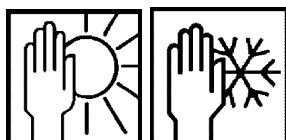


After 24 hours at +20°C, sanding with an abrasive fleece is necessary before topcoating.

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 AY/PUR 30-140 Predator Tint Satin.

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

<500 g/L for APP Lack AY/PUR 30-140 Predator Tint Satin.

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