

TECHNICAL INFORMATION

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**Product name: Two-component polyurethane structure securing cover
APP C300 Predator 3:1. APP Nr: 050700.**

APP C 300 Predator 3:1 is a structural, two-component Polyurethane –Acrylic protective coat. It provides long time protection for cargo space against mechanical, chemical damages and anti-corrosion protection.

Package: APP C 300 Predator - 600ml;
APP C 300 Predator Harter - 200ml.

Product and additives: APP C 300 Predator 3:1
APP C 300 Predator Harter
APP Acryl Verdunnung.

Basic components: APP C 300 Predator 3:1-acrylic resin, filler and additives
APP C 300 Predator Harter – isocyanate hardener
APP Acryl Verdunnung – acrylic thinner.

Colour: black

Coverage: 2.3 m²/l (200µm)
Caution! In practice coverage depends on different factors including: shape, surface roughness, application method and ambient conditions.

Application

APP C 300 Predator 3:1 provides coat that features with very good resistance to mechanical and chemical damages. It provides a protective coat purposed for trailer cargo spaces, off-road vehicles and pick-up type bodies exposed to extreme operating, weather and environmental conditions.

Advantages:

- Texture simple control.
- High mechanical resistance (abrasion, scratching etc.).
- High chemical resistance.
- Very good anti-corrosion protection.
- Resistance to weather conditions and UV radiation
- High hardness and elasticity.
- Perfect adhesion to different surfaces.
- Resistance to temperature up to 85°C.

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Proper substrate: Steel, galvanized steel sheet, aluminium, Polyester laminates and old OEM coats, cataphoresis.

Surface after initial treatment:

- Polyester coats e.g.: APP Ultra,
- Epoxy primers e.g.: APP Grund EP
- Primers e.g.: APP Haftgrund and APP Kunststoff Primer.

Wet on wet system.

Coverage without grinding of epoxy primer APP Grund EP is possible following 45 min at 20°C or 15 min at 60°C since its application.

Preparation of substrate:



Grinding on dry with P240-P320 sandpaper is required in case of existing coats and Polyester products.

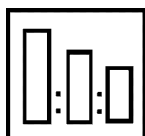
Grinding on dry with P240-P320 sandpaper or on wet with P360-400 sandpaper is required in case of surfaces covered with top coats and base coats.



Before application of APP C 300 Predator firstly clean and degrease the surface with W900 or W911 stripper.

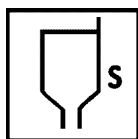
Use

Mixing ratio:



A) In case of spray gun for maintenance/dashed plaster:

3 by volume	APP C 300 Predator
1 by volume	APP C 300 Predator Harter
0-10%	APP Acryl Verdunnung
Mixing ratio by weight:	
100	APP C 300 Predator
29	APP C 300 Predator Harter
0-10	APP Acryl Verdunnung



B) In case of spray gun:

3 by volume	APP C 300 Predator
1 by volume	APP C 300 Predator Harter
10-25%	APP Acryl Verdunnung
Mixing ratio by weight:	
100	APP C 300 Predator
29	APP C 300 Predator Harter
10-26	APP Acryl Verdunnung

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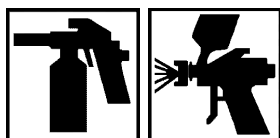
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Firstly shake the container to mix the contents and then remove screw cap protection. Pour the hardener into the container and shape to mix well. Install the container to the spray gun for maintenance/dashed plaster application.

APP C 300 Predator 3:1	APP C 300 Predator Harter	APP Acryl Verdunnung		
Ratio by volume	3 : 1	+10%	+15%	+20%
Mixing ratio by weight				
L	[g]	[g]	[g]	[g]
0,1	111	32.4	11.6	17.4
0,2	222	64.7	23.2	34.8
0,3	333	97.1	34.8	52.3
0,4	444	129	46.5	69.7
0,5	555	162	58.1	87.1
0,6	666	194	69.7	105
0,7	777	227	81.3	122
0,8	888	259	92.9	139
0,9	999	291	105	157
1,0	1110	324	116	174

Application:



Apply with a spray gun for maintenance/dashed plaster application at air pressure 2-4 bar or spray gun fitted with $\varnothing 1,3$ - $\varnothing 2.0$ mm nozzle at air pressure 1.5 to 2.2 bar.

Caution!

For optimal work results use of spray gun for dense coat is recommended with nozzle control or air powered gun for maintenance provided with air tank.

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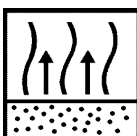
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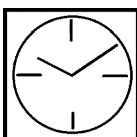


Qty of coats: 1 - 2.
Coat thickness: 180-230 μ in case of single dry coat.



Evaporation time between coats at temperature +20°C:
20 - 30min..
Workability time: 1h.

Drying



At temperature +20°C:
Dust dry: 5-10min.
Touch dry: 45-60min.
Pot life: 12-24h
Small load: 2-3 days
Large load,
Total strength: 7 days

At temperature +60°C:
Total hardening: 30min.

IR drying: Not recommended.

Grinding:

Following 24 h grinding is required with abrasive pad before application of top coat.

Coverage:

Water-borne and traditional base coats
e.g.: APP Modular Special Base.
One and two-component top coats,
e.g.: APP Modular Acryl Line.
Caution!
Overcoating without dulling is possible following 1 to 24h since application. Following 24h grinding is required with abrasive pad.

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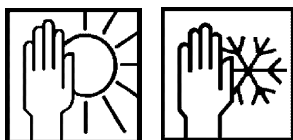
Chemical resistance:

Water		Yes
Engine oil		Yes
Brake fluid		Superficial softening
Detergents		Yes
Ammonia 10%	7h	Yes
Acetic acid 44%	7h	Yes
Diesel oil	10min.	Yes
Gasoline	10min.	Superficial softening, and hardening upon evaporation
Xylene	15min.	Superficial softening, and hardening upon evaporation
Acetone	5min.	Superficial softening, and hardening upon evaporation

Tools cleaning:

Nitrocellulose thinner.

Storage:



Store in closed, original containers, in dry and well ventilated spaces.
Protect against freezing.

Occupational safety:



Product for professional use only.
See: labels on containers and MSDS.
User shall follow locally and regionally applicable industrial safety regulations.

VOC:

Permitted VOC in g/L of product ready to use.
840 g/L for APP C 300 Predator 3:1
Maximum VOC in g/L of product ready to use.
470 g/L for APP C 300 Predator 3:1

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