

# TECHNICAL INFORMATION

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## **Product name: wax preparation for closed profiles protection APP F 400 PROFIL. APP No. 050301 and 050302.**

Spray-on preparation based on mineral oil, paraffin wax and impregnating additives for anti-corrosion protection of closed profiles and hard-to-reach places of car bodies such as: beams of car bodies and doors, engine compartments, and trunk compartments. It is designed to strengthen the factory protection and to restore the anti-corrosion protection after body repair and painting. It forms a permanently elastic, hydrophobic coating that adheres very well to the surface.

Resistance test in salt chamber 1000 hours.

Packaging: 1.0 L - 050301 and 050302.

Product and additives: F 400 PROFIL.

Basic ingredients: F 400 PROFIL - microcrystalline paraffin waxes, modified petroleum jelly, sulfonates, oil, impregnating additives, pigment, and solvents.

Color: APP No. 050301 - amber, transparent,  
APP No. 050302 - transparent, colorless.

Yield: 1.0 liter per 4-5 m<sup>2</sup> for 200-250 µm wet layer or 100-125 µm dry layer.  
Attention! In practice productivity depends on factors such as: shape of object, roughness of surface, application method, and working conditions.

Consistency: Thick liquid.

Density at +20°C: 0.87 g/ml.

Viscosity: APP No. 050301: 50 s (4 mm DIN at +20°C),  
APP No. 050302: Brookfield DVII Ca.800 m.Pas , sp 3, 50 rpm.

Solids content: APP No. 050301: 41 %,  
APP No. 050302: 53 %.

Temperature resistance: -30°C to +80°C.

Chemical resistance: the product after drying is resistant to water, salt fog, oil, acids, and alkalis with low concentrations.

Salt spray test:

- up to 500 h Ri0 for a product dry film thickness of 100 µm,
- up to 1000 h Ri1 for a dry film thickness of 100 µm.

Measurements according to DIN50021 and DIN53210.

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- Application**
- As a long term anticorrosion protection of the inside of closed car body profiles such as: body and door beams, engine, and trunk compartments.
  - For corrosion protection of machinery, machine parts, tools, etc.
  - Can be used to protect metal sheets and parts during storage.

- Advantages**
- Penetrating and water displacing product.
  - Long lasting flexible, tight, and non-drying corrosion barrier.
  - Salt solution resistance test up to 1000 hours.
  - Not aggressive to plastics, rubber, and varnish..
  - Very good adhesion to many substrates.
  - Ready to use product after mixing

### Substrate

**Suitable substrates** Factory coatings. Primed and unfinished sheet metal. Surfaces coated with primers and top coats. PVC corrosion protection coatings, rubber/resin, rubber/bitumen, and waxes.

### **Substrate preparation**

Remove all corrosion centers from bare metal sheets.  
Can be applied on bare metal, but for additional protection it is recommended to use an anti-corrosion primer.  
Dry and, if possible, remove dust, and degrease the surface to be protected before spraying.

### Use

**Mixing ratio** F 400 PROFIL is supplied ready to use.

### **Application**



Stir the material in the container well by shaking.  
Peel off the cap protection and attach the container to the spray gun for maintenance.  
Introduce the wax into the interior of closed profiles through the technological openings for maintenance with the use of a nozzle with a hose.  
Apply evenly on flat surfaces at a pressure of

3.0 to 5.0 bar from a distance of about 25-30 cm.

Application temperature from +10°C to +25°C.

Attention! Protect the engine, brake system, and exhaust system before applying the compound!

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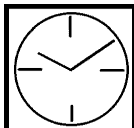


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### Drying



Drying time at +20°C is:

- 2 h dust dry for 100 µm wet film,
- 24 h when thoroughly dry for 100 µm wet film.

#### Attention!

The maintenance openings of the closed profiles, through which the hose was introduced, should be left open for a few days to allow better air circulation. Remember to close them with the original, usually rubber plugs.

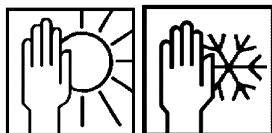
### Coatability

The coating is not intended for varnishing.  
It may only be coated with wax products.

### Cleaning of equipment

Turpentine. Aromatic solvents such as white spirit, naphtha, xylene, etc.  
Solvent wash before curing.  
After curing, cleaning by mechanical means.

### Storage:



Store in closed original containers in a dry and well ventilated area.  
Protect against freezing.

### Safety and health regulations

For professional use only.

See text on product labels or safety data sheet.

Users must comply with the health and safety regulations in force in their country.

### VOC:

VOC limit g/l in the ready to use product.

840 g/l for F 400 PROFIL

Maximum VOC content g/l in the ready to use product.

394.4 g/l for F 400 PROFIL Amber APP No. 050301.

507.4 g/l for F 400 PROFIL Transparent APP No. 050302.

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