

# TECHNICAL INFORMATION

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**Product name: two-component clear acrylic varnish  
APP Klarlack Spezial S.  
APP No.: 020109-1,0 L and 020110-5,0 L.**

Two-component clear acrylic varnish of the HIGH SOLID class with high gloss and high scratch resistance. It has very good flow and transparency and allows to achieve a great colour depth. It is weatherproof in various climate zones.

Due to the use of UV filters, it ensures the colour fastness of the basecoat.

Packaging: Varnish-1.0 L, 5.0 L; hardener-0.5 L, 2.5 L.

Product and accessories: APP Klarlack Spezial S – clear varnish,  
APP Harter Klarlack Spezial S Normal – hardener with standard fixture time,  
APP Harter Klarlack Spezial S Fast – hardener with short fixture time,  
APP Acryl Verdunnung – acrylic products thinner.

Special additives: APP Elastic – additive increasing elasticity of coating,  
APP Anti Silikon – an additive that neutralises the effects of silicone contamination.

Basic ingredients: APP Klarlack Spezial S – acrylic resin,  
APP Harter Klarlack Spezial S – isocyanate hardeners.

Colour: Transparent and clear with high gloss.

Yield: 9-10 m<sup>2</sup>/l  
Caution! In practice, the yield depends on factors such as the shape of the object, the roughness of the substrate, the application method and the working conditions.

Intended use: Intended for repairing components and entire vehicles as a topcoat in two-layer bodywork restoration coats.  
For use with water-based and conventional base varnishes.

Substrate: Water-based and conventional basecoats, old coatings.

Substrate preparation: Before spraying, the surface to be varnished must be cleaned of any loose and dried base varnish dust. Matt, clean off any dust and degrease the old coating.

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**APP Sp. z o.o. 62-300 Września ul. Przemysłowa 10, phone: + 48 61 437 00 00.**

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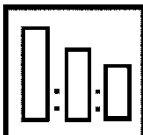
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## Applications

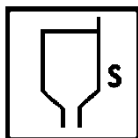
Mixing ratio:



- A) For temperatures from +18 °C to +25 °C:  
2 volumes    APP Klarlack Spezial S  
1 volume    APP Harter Klarlack Spezial S Normal  
0-5%        APP Acryl Verdunnung

- B) For temperatures below +18 °C:  
2 volumes    APP Klarlack Spezial S  
1 volume    APP Harter Klarlack Spezial S Fast  
0-5%        APP Acryl Verdunnung

- C) Mixing ratios by weight:  
100        APP Klarlack Spezial S  
50        APP Harter Klarlack Spezial S  
0-7        APP Acryl Verdunnung



Spray viscosity at +20 °C: 18.5 s 4 mm DIN.

Caution!

Use only APP Harter Klarlack Spezial S Normal or Fast acrylic varnish hardeners.

Do not exceed the recommended hardener dosage. If necessary, add 2-5% APP Anti-Silicone. If necessary (in case of plastics) – in line with the mixing table – add the APP Elastic plasticiser before adding the hardener.

Application:



Apply with a spray gun equipped with a  $\varnothing 1.2$ - $\varnothing 1.3$  mm nozzle at an air pressure of 2-3 bar.



- Number of coats: 2 x 1.  
Dry film thickness: 55  $\mu\text{m}$  (2 x 1).  
Recommended working conditions:  
- minimum temperature: +10°C  
- maximum relative humidity: 70%.

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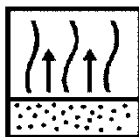
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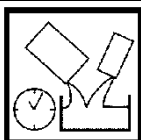
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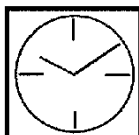


Evaporation time between coats at +20 °C:  
- 5-10 minutes.



Shelf life of ready-to-use varnish mixture:  
- 2-3 hours.

## Drying



At +20°C  
Dust dry 20 minutes.  
Tactile dryness 2.5-3 hours.  
Manipulability: 4-5 hours.  
Option of wrapping: 6-7 hours.



At +60°C 25–35 minutes.  
IR radiator: 10–15 minutes.

## Sanding



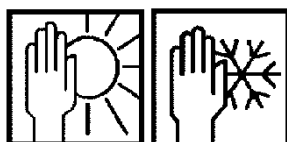
After 24 hours at +20 °C, defects and inclusions can be removed with abrasives and polished:

- by hand with wet abrasive P1500-3000
- with a machine with abrasive P1500-3000.

## Equipment cleaning:

Nitrocellulose or acrylic solvent.

## Storage:



Store in closed original packaging in a dry and well-ventilated room and at a temperature of +5 °C to +30 °C. Protect from freezing.

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OHS provisions:



For professional use only.  
See text on product labels or the MSDS.  
Comply with the OHS regulations in force in the country concerned.

VOC:

VOC limit (g/l) in the ready-to-use product.  
840g/l for APP Klarlack Spezial S.  
Maximum VOC content (g/l) in the ready-to-use product.  
486g/l for APP Klarlack Spezial S.

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