

TECHNICAL INFORMATION

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**Product name: two-component quick-drying clear acrylic varnish
APP Klarlack Smart.
APP No.: 020103.**

Quick-drying, two-component, high-gloss acrylic clear varnish for SMART repairs and for coating individual components. Thanks to the low spray viscosity when spraying at reduced pressures, very good spreadability is achieved with minimal spray dust. Easy to polish. It is weatherproof in various climate zones. Due to the use of UV filters, it ensures the colour fastness of the basecoat.

Packaging.	Lacquer-1.0 L; hardener-0.25 L.
Product and accessories.	APP Klarlack Smart - clear varnish, APP Harter Klarlack Smart - hardener with standard curing time.
Special additives.	APP Loser - shading solvent, APP Elastic - additive increasing the flexibility of coatings, APP Anti-Silikon - additive neutralising the effects of silicone impurities.
Basic ingredients.	APP Klarlack Smart - acrylic resin, APP Harter Klarlack Smart - isocyanate hardener.
Colour.	Transparent and clear with high gloss.
Yield.	9-10 m ² /L Attention! 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.

Application

Suitable for SMART repairs and for quick repairs of individual parts as a topcoat in multi-layer body repair coats.
For use with water-based and conventional base varnishes.

The above information is in line with the current state of knowledge of our products and their possible applications. This does not guarantee specific properties or suitability for use under specific conditions. Follow the notes and warnings on the product labels and the MSDS. We assume no responsibility if the final result of the work was affected by factors beyond our control.

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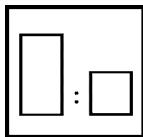
Substrate

Substrate types. 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.
If the relative humidity is higher than 70% and the temperature is below +10 °C, it is recommended to dry the component in the cabin.

Applications

Mixing ratio.

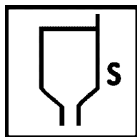


Volume mixing ratios:

4 volumes	APP Klarlack Smart
1 volume	APP Harter Klarlack Smart

Mixing ratios by weight:

100	APP Klarlack Smart
28	APP Harter Klarlack Smart



Spray viscosity at +20 °C: 13 s F/4.

Caution!

Use only APP Harter Klarlack Smart hardener for acrylic varnish.

Do not exceed the recommended hardener dosage.

If necessary, add 2-5% APP Anti-Silicone.

In the case of SMART repair, use APP Loser.

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 ø1.2-ø1.5 mm nozzle at an air pressure of 1.7 to 2.1 bar.

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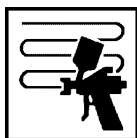
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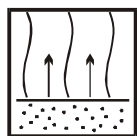
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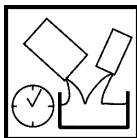
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Number of layers: 2 x 1.
Dry film thickness: 50-56µm (2 x 1).

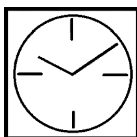


Evaporation time between coats at +20 °C:
• 3–5 minutes.



Shelf life of ready-to-use varnish mixture:
• 1.5 hours.

Drying.



At +20°C	
Dust dry	10 minutes.
Tactile dryness:	1.5 hours
Manipulability:	2-2.5 hours
Option of wrapping:	4 hours.



At +50°C	15–20 minutes.
IR radiator:	10 (4+6) minutes.

Polishing.



After 4 hours at +20 °C, defects and inclusions can be removed with abrasives:

- by hand with wet abrasive P1500-3000
- with a machine with abrasive P1200-3000 and polished.

Equipment cleaning.

Nitrocellulose or acrylic solvent.

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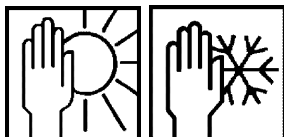


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Storage



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

OHS regulations



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

VOC

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

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