

SPECIFICATIONS

Prepared on:
January 4, 2007



Updated on:
December 21, 2007

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Product name: APP 2K Acryl Klarlack HS Spezial 2:1

High-gloss, colourless, binary acrylic lacquer with special Reflow effect, HIGH SOLID class. In increased temperature conditions, it spontaneously fills micro-scratches made in e.g. a car wash. The product has very good fluidity and clarity. It is resistant to weather conditions in various climatic zones. Owing to the UV filters contained in it, the lacquer ensures basecoat paint colour fastness.

Container: Lacquer - 1.0 l, 5.0 l; hardener - 0.5 l, 2.5 l.

Product and additives: APP 2K Acryl Klarlack HS Spezial 2:1;
APP 2K HS Harter LHN - standard setting time;
APP 2K HS Harter LHS - short setting time;
APP 2K Acryl Verdunnung AVS/AVN.

Special components: APP 2K Elastic;
APP Anti-Silikon.

Basic components: APP 2K Acryl Klarlack HS Spezial 2:1 - acrylic resin;
APP 2K HS Harter LHN/LHS - isocyanate hardeners.

Colour: Transparent colourless.

Output: 6-8 m²/l.

Caution!

In practice the output depends on certain factors including: object shape, roughness of the base, method of application and working conditions.

Usage: The product is intended for the repairs of elements and whole vehicles as a high quality top coat in multi-layer vehicle body repair coats.

Base: Water-thinned and conventional base paints in two- and three-layer systems.

Base preparation: Before spraying, remove all remaining loose and dried basecoat paint dust from the surface to be painted.

Application

Mixing ratio(s):



A) For large surfaces and high temperatures in excess of +25°C:
2 volumes: APP 2K Acryl Klarlack HS Spezial 2:1
1 volume: APP 2K HS Harter LHN
15-20%: APP 2K Acryl Verdunnung AVN

B) For medium and small surfaces, and temperatures ranging from +15°C to +25°C:
2 volumes: APP 2K Acryl Klarlack HS Spezial 2:1
1 volume: APP 2K HS Harter LHS
15-20%: APP 2K Acryl Verdunnung AVS

The above information complies with current knowledge on our products and their possible applications. This guarantees no specific properties or usability in particular conditions. Users should observe guidelines and warnings provided on product labels and specified in material safety data sheets. We hold no responsibility if conditions beyond our control affect the final result of work.

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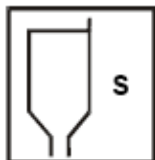
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Spraying viscosity at +20°C: 18-20 s 4 mm DIN.

Caution!

Use APP 2K Harter LHN/LHS hardener only.

Never exceed the recommended hardener dose.

If necessary, add from 2 to 5% of the APP Anti-Silikon.

If needed (plastics), add the APP 2K Elastic elasticity improving agent before admixing the hardener. Proceed according to the mixing chart.

Applying:



Apply using a spray gun equipped with a ϕ 1.4 mm nozzle at an air pressure ranging from 3.0 to 4.0 bar.

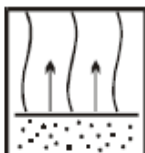


Number of layers: 1-2 x 1.

Dry coat thickness: 40-50 μ m.

Recommended working conditions:

- minimum temperature: +10°C;
- maximum relative humidity: 75%.



Evaporation time between successive layers at a temperature of +20°C: 5-10 minutes.

Usability time for a ready-to-use lacquer mixture:

- 4-6 hours.

Drying:



At a temperature of +20°C:

Dust dryness: 25-30 minutes.

Handling possible: 6-8 hours.

Full hardening: 24 hours.



At a temperature of +60°C:

Dust dryness: 5 minutes.

Handling possible: 30 minutes.

Full hardening: 1 hour.

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Polishing:



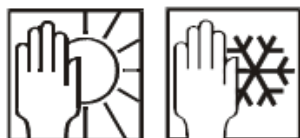
After complete hardening, that is after 24 hours, it is possible to remove the defects and impurities with abrasives:

- wet polishing by hand with P1500-5000 abrasive paper;
- wet machine polishing with P1500-5000 abrasive paper.

Equipment cleaning:

Nitrocellulose solvent.

Storage:



Store in original, closed containers in a dry and well-ventilated room.
Protect against freezing.

Industrial safety regulations:



For professional use only.
See: information on product labels and/or in Hazardous Material Safety Data Sheet.
Users should observe all industrial safety regulations applicable in their countries.

VOC:

Permissible VOC content [g/l] in a ready-to-use product.
840 g/l for APP 2K Acryl Klarlack HS Spezial 2:1
Maximum VOC content [g/l] in a ready-to-use product.
563 g/l for APP 2K Acryl Klarlack HS Spezial 2:1

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