

TECHNICAL INFORMATION

Date of preparation:
05.10.2018r.



Update date:
14.07.2025r.

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Product name: APP Modular Special Base 80-02 super black.
APP No: 0260002 - 1.0L; 0260003 - 3.5L.

APP Modular Special Base 80-02 is a black base coat with intense saturation and a deep shade of black. It is one of the 'blackest' colours perceived by the human eye. Base lacquer 80-02 is a stand-alone colour not included in the colour formulas included in the APP Modular Special Base system, with which it is interchangeable. The matt surface after drying provides excellent adhesion to the clear lacquer.

Product and additives.	APP Modular Special Base, APP Modular Special Base Thinner 80-130, APP Modular Special Base Thinner 80-140.
Special additives.	APP Modular Special Base 80-01 - base coat shading additive - shading resin. APP Modular Special Base 80-04 Interior Converter - additive for lacquering interior surfaces without clear lacquer coating.
Basic ingredients.	APP Modular Special Base 80-02 - resins drying by evaporation of thinner, APP Modular Special Base Thinner 80-130 - thinner with normal evaporation time, APP Modular Special Base Thinner 80-140 - thinner with extended evaporation time.
Colour.	Black (solid, uni).
Efficiency.	7 - 8 m ² /l for dry film thickness of 30 - 40 µm. Attention! In practice, the efficiency depends on factors such as the shape of the object, colour, application method and working conditions.
<u>Application</u>	Intended for use as a decorative layer in multi-coat topcoat systems.
<u>Substrate</u>	
Suitable substrates.	Sanded factory coatings. Surfaces pre-treated with: <ul style="list-style-type: none">• Acrylic primers e.g. APP AcrylFiller Multi Sanding, APP AcrylFiller Multi Wet on Wet, APP AcrylFiller 401, APP AcrylFiller 501, APP AcrylFiller Rapid, APP AcrylFiller Compact,

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Substrate cont.

Suitable substrates.

- Epoxy primers, e.g. APP Grund EP, APP Grund EP Spray,
- Single-component primers e.g. APP Primer Filler, APP Primer Filler Spray
- APP Smart Primer, APP Smart Primer.

Caution!

Do not apply over APP Haftgrund or APP 2K Haftgrund.

Do not apply on thermoplastic finishes.

Substrate preparation.



Pre-sand by machine with P320-P400 abrasive paper.

Machine finish sanding with P500 abrasive paper.

Manual finish sanding with P800 sponge sandpaper or NTools GSD 1000-1200 double-sided sanding sponge.

Pre-sanding by hand with P600-P800 waterproof sandpaper. Finish sanding by hand with P1000 waterproof abrasive paper.

Before spraying APP Modular Special Base, the lacquered surface is to be cleaned of dust and degreased with W911 or W900 remover and WB910 with APP Premium cleaner.

For final dust removal from the surface, use APP SAS, APP SAS Aqua, APP Tack Cloth White, or APP Tack Cloth Blue.

Application

Mixing proportions.

Volume mixing ratios:



VMR - Volume Mixing Ratio

A) For temperatures between 15°C and 25°C:

100 volumes	APP Modular Special Base 80-02
80-100 volume	APP Modular Special Base Thinner 80-130 volume

B) For temperatures from 25°C to 35°C:

100 volumes	APP Modular Special Base 80-02
80-100 volume	APP Modular Special Base Thinner 80-140

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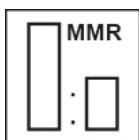


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Application cont. Mixing ratios.



MMR - Mass Mixing Ratio

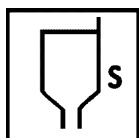
Mixing ratios by weight:

100	APP Modular Special Base 80-02
91	APP Modular Special Base Thinner 80-130/140

Thinners may be used:

- APP 2K Acryl Verdunnung AVW - evaporation time free
- APP 2K Acryl Verdunnung AVN - normal evaporation time

Spray viscosity: 16-18 s 4mm DIN/+20°C.



Application.



Apply with a spray gun fitted with a nozzle
ø1.2-ø1.4 mm at an air pressure of 1.5 to 2.5 bar.

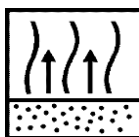


Number of coats: 2x1 (2 full coats - or to cover).

Dry film thickness: 30-40µ m.

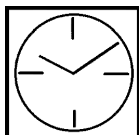
Recommended working conditions:

- minimum temperature: +15°C,
- maximum relative humidity: 75%.



Intercoat evaporation time at +20°C:
5-7 minutes.

Drying.



At +20°C:

Dry, matt and ready to cover:

15-20
minutes.

Maximum time to cover:

approx. 6
hours.

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Sanding.



If necessary, e.g. inclusions, sand after drying:

- wet with P800-P1500 waterproof abrasive paper
- manually dry with APP Ultra Fein abrasive sponge or APP514 P600-P800 sponge abrasive paper.

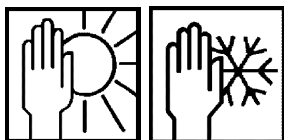
Coatability.

After drying the basecoat, clean its surface with APP SAS dust cloth or APP SAS Aqua and cover it with binary colourless topcoat, e.g. APP Klarlack UHS 410, APP Klarlack Glosser, APP Klarlack S Pro, APP Klarlack Beta, APP Klarlack Spezial S, APP Klarlack Compact APP Klarlack Smart, APP Klarlack Matt or APP Klarlack FD Spray.

Equipment cleaning.

Nitrocellulose solvent.

Storage



Store in closed, original containers in dry and well-ventilated rooms. Protect from freezing.

Safety regulations



For professional use only.

See text on product labels or safety data sheet

Material Safety Data Sheet.

The user must comply with the health and safety regulations in force in the country concerned.

VOC/VOC

Permissible VOC g/l in the ready-to-use product:

840 g/l for APP Modular Special Base 80-02.

Maximum VOC g/l in ready-to-use product:

634.5g/l for APP Modular Special Base 80-02.

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