

# TECHNICAL INFORMATION

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05.10.2018



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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 that offers the darkest shade perceived by human eye. 80-02 base coat relates to an individual colour not included in colour recipes of APP Modular Special Base that can be mixed with. Upon drying a matt finish ensures perfect adhesion of clear varnish.

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 – an additive for blending with base coat.  
APP Modular Special Base 80-04 Interior Converter – an additive for coating of internal surfaces not covered with clear coat.

Basic components: APP Modular Special Base 80-02 – resins drying by thinner evaporation,  
APP Modular Special Base Thinner 80-130 – standard evaporation time,  
APP Modular Special Base Thinner 80-140 - long evaporation time.

Colour: Black (solid, uniform).

Coverage: 7 - 8 m<sup>2</sup>/L for touch dry coat 30 - 40µm.  
Caution!  
In practice coverage depends on different factors including: shape, colour, application method and operating conditions.

Application To be applied for decorating purposes in case of multi-layer coating system.

## Substrate

Proper substrate: Factory applied coats following sanding.  
Surfaces initially covered with:

- Acrylic fillers e.g. APP 2K HS Acrylfiller 4:1,  
APP 2K HS Acrylfiller 5:1,  
APP 2K HS Rapid Acrylfiller 4:1  
APP 2K HS Compact Acrylfiller 5:1
- Epoxy fillers e.g. APP 1K Primer Filler,  
APP Primer Filler Spray

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- One-component fillers e.g. APP 1K Primer Filler, APP Primer Filler Spray
- Filler APP Smart Primer
- Bonding primer e.g. APP 1K Kunststoff Primer.

### CAUTION!

Do not apply on APP 1K Haftgrund or APP 2K Haftgrund.  
Do not apply on thermoplastic top coat.

Substrate preparation:



Mechanical coarse sanding with sand paper P320-P400.  
Mechanical fine sanding with sand paper P500.  
Manual fine sanding with sponge backed sand paper P800.



Manual coarse sanding with water resistant sand paper P600-P800.  
Manual fine sanding with water resistant sand paper P1000.

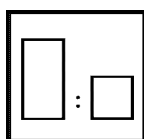


Before spraying of APP Modular Special Base clean and degrease the surface with W911 or W900 stripper and WB910 using APP Premium wipes.

For final dust removal use dust absorptive clothes APP SAS or APP SAS Aqua.

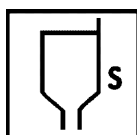
### Use

Mixing ratio:



Mixing ratio by volume:

- A) At temperature from 15°C to 25°C:  
100 by volume APP Modular Special Base 80-02  
80-100 by volume APP Modular Special Base Thinner 80-130
- B) At temperature from 25°C to 35°C:  
100 by volume APP Modular Special Base 80-02  
80-100 by volume APP Modular Special Base Thinner 80-140



Mixing ratio by weight:

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

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Possible use of thinners:

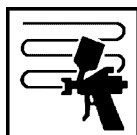
- APP 2K Acryl Verdunnung AVW – long evaporation time
- APP 2K Acryl Verdunnung AVN – standard evaporation time

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

Application:



Apply with a spray gun fitted with  $\varnothing$ 1.2-1.4mm nozzle at air pressure of 1.5 to 2.5bar.

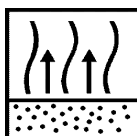


Coat qty: 2x1 (2 total layers – or to be covered).

Dry coat thickness: 30-40  $\mu$ m.

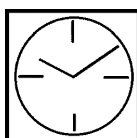
Recommended ambient conditions:

- Minimum temperature: +15°C
- Maximum relative humidity: 75%.



Evaporation time between coats at temperature +20°C:  
5-7 minutes.

Drying



At temperature +20°C:

Dust dry, matt and ready for covering: 15-20 minutes

Maximum time before application of next layer: ca. 6 hours.

Grinding



If necessary, e.g. you may remove inclusions following drying with abrasive materials:

- On wet with water resistant sandpaper P800-P1500
- On dry manually with APP Ultra Fein abrasive or sponge backed sandpaper APP514 P600-P800.

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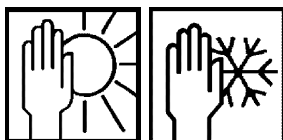
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Coverage: Upon drying clean the base coat with dust absorptive clothes APP SAS or APP SAS Aqua and apply two-component clear top coat, e.g. APP 2K HS Acryl Klarlack Quartz, APP 2K HS Acryl Klarlack Classic, APP 2K HS Acryl Klarlack Spezial S APP 2K HS Acryl Klarlack Compact or APP 2K HS Klarlack Smart.

Tools cleaning: Nitrocellulose thinner.

Storage:



Store in closed, original containers, in dry and well ventilated spaces.  
Protect against freezing.

Occupational safety:



Product for professional use only.  
See: labels on containers and MSDS.  
User shall follow locally and regionally applicable industrial safety regulations.

VOC:

Permitted VOC in g/L of product ready to use:  
840 g/L for APP Modular Special Base 80-02.  
Maximum VOC in g/L of product ready to use:  
634.5g/L for APP Modular Special Base 80-02.

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