

# PRODUCT DATA SHEET

Prepared on: 05.10.2018



Updated on: 12.06.2023

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## Product name: APP Modular Special Base.

APP Modular Special Base is a base coat with very good application properties and high coverage. Intended for use in two-layer and three-layer topcoat systems. It is characterized by perfect adhesion to acrylic and epoxy primers and old coats. After drying, its mat surface ensures perfect adhesion for protective clear coat layer.

Product and additions: APP Modular Special Base,  
APP Modular Special Base Thinner 80-130,  
APP Modular Special Base Thinner 80-140.

Special additions: APP Modular Special Base 80-01 – addition for shading with base coat,  
APP Modular Special Base 80-02 – super black base coat, does not form part of colour recipes,  
APP Modular Colour Ink – high intensity recipe colouring additions for motorcycles and car bodies,  
APP Modular Magic Mist – recipe colouring additions for colours with angular special effects,  
APP Modular Special Base 80-04 Interior Converter – addition for internal surface coating without clear coating.

Basic components: APP Modular Special Base – resins drying by solvent evaporation,  
APP Modular Special Base Thinner 80-130 – solvent with normal evaporation time,  
APP Modular Special Base Thinner 80-140 – solvent with extended evaporation time.

Colour: Non-metallic, metallic and pearl colours, preparation according to the recipe.

Efficiency: 7 - 9 m<sup>2</sup>/l for dry coat 20 - 30 µm thick.  
Attention!  
In practice, the efficiency depends on such factors as object shape, colour, application method and work conditions.

Application Intended for use as a decorative coat in multi-layer topcoat systems. .

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## Product name: APP Modular Special Base.

### Substrate

Appropriate substrates: Sanded factory coating.

Surfaces pre-treated with:

- 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,
- epoxy primers, e.g., APP Grund EP, APP Grund EP Spray,
- single-component fillers, e.g., APP Primer Filler, APP Primer Filler Spray
- insulating and filling primer APP Smart Primer.

Attention!

Do not apply on APP 1K Haftgrund or APP 2K Haftgrund.

Do not apply on thermoplastic finishing.

Substrate preparation:



Machine pre-sanding with P320-P400 sandpaper.

Machine finishing sanding with P500 sandpaper.

Manual finishing sanding with P800 sandpaper on a sponge.



Manual pre-sanding with water-resistant P600-P800 sandpaper.

Manual finishing sanding with water-resistant P1000 sandpaper.



Before spraying with APP Modular Special Base, remove dust and grease from the painted surface with W911 or W900 remover and WB910 with the use of APP Premium cleaner.

For final dedusting use dust-absorbing cloths APP SAS or APP SAS Aqua.

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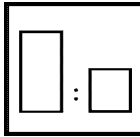
### Application

Mixing proportions:

Mixing proportions by volume:

A) For temperatures from 15°C to 25°C:

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

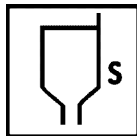


B) For temperatures from 25°C to 35°C:

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

It is possible to use a solvent

- APP Acryl Verdunnung – slow or standard evaporation time.



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



Mix tonners in the mixer once a day for about 15 minutes.

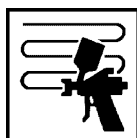
Application:

Attention!

Each time, check spray colour by test spraying.



Apply with a spray gun with the  $\varnothing 1.2\text{-}\varnothing 1.4$  mm nozzle at air pressure from 1.5 to 2.5 bars.



Number of layers:

- non-metallic colours: 2 full layers
- metallic and pearl colours: 2 full layers and 1 sprinkled layer (ca. 30% of full layer).

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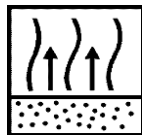
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## Product name: APP Modular Special Base.

Dry coat thickness: 20-30  $\mu\text{m}$ .

Recommended work conditions:

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

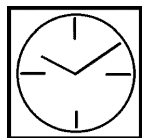


Inter-layer evaporation time at the temperature of +20°C:

5-7 minutes.

Shelf life of the ready-to-use mixture in tightly sealed factory packaging: 2 years.

### Drying



At the temperature of +20°C:

Dry, mat and ready for coating: 15 minutes.

Maximum time until coating: ca. 6 hours

### Sanding



If necessary, e.g., inclusion, after drying:

- wet sanding with water-resistant P800-P1500 sandpaper
- manual dry sanding with APP Ultra Fein sanding sponge or sandpaper on a sponge APP514 P600-P800.

### Coverability:

When base coat dries, clean its surface with a dust-absorbing cloth APP SAS or APP SAS Aqua and cover with two-component clear topcoat, e.g., APP Klarlack UHS 410, APP Klarlack Glosser, APP Klarlack S Pro, APP Klarlack Spezial S, APP Klarlack Classic, APP Klarlack Compact APP Klarlack Smart, APP Klarlack Matt and APP Klarlack FD Spray.

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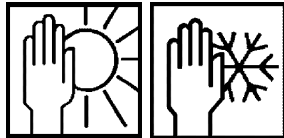
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## Product name: APP Modular Special Base.

Equipment cleaning:

Nitrocellulose solvent.

Storage:



Store in sealed original packaging in a dry and well-ventilated place.  
Protect against freezing.

OHS regulations:



Exclusively for professional use.

See: text on product labels or hazardous product data sheet.

The user is obliged to follow OHS regulations in force in a given country.

VOC:

Acceptable VOC content g/l in a product ready to use:

840 g/l for APP Modular Special Base.

Maximum VOC content g/l in a product ready to use:

<840 g/l for APP Modular Special Base.

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