

**Product name: APP Modular Shading Resin
Special Base 80-01 Shading Resin. APP No.: 0260001.**

Specially developed resin for eliminating sharp edges and blending new base coat layers into existing layers. It is intended for evening out colour differences during spot repairs and shading adjacent elements with base coats from the APP Modular Special Base system.

Product and additives. APP Modular Special Base 80-01 Shading Resin,
APP Modular Special Base Thinner 80-130,
APP Modular Special Base Thinner 80-140.

Basic ingredients. APP Modular Special Base 80-01 Shading Resin - resin drying through 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. Colourless, transparent.

Efficiency: 14 - 16 m²/l for a dry film thickness of 10 - 20 µm.
Note: In practice, efficiency depends on factors such as object shape, colour, application method and working conditions.

Application Special product purposed for use during shading and SPOT/SMART repairs with APP Modular system base coat.

- As a layer for levelling micro scratches on the surface in the shading zone. The layer does not cause colour change.
- As an additive up to max. 70% to the base coat in shading layers. The additive does not cause colour change.

Substrate

Suitable substrates. Sanded factory coatings.
Surfaces pre-treated:

- Acrylic primers e.g. APP AcrylFiller Multi Sanding, 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
- APP Smart Primer isolating and filling primer.

Caution: Do not apply on APP Haftgrund or APP 2K Haftgrund.
Do not apply over thermoplastic finishes.

The above information is based on the current state of knowledge of our products and their possible applications. It does not guarantee specific properties or suitability for use under specific conditions. Please observe to the notes and warnings on the product labels and in the safety data sheet. We do not accept any We do not bear any responsibility if the final result was influenced by factors beyond our control.

TECHNICAL INFORMATION

Date of preparation:
05.10.2018r.

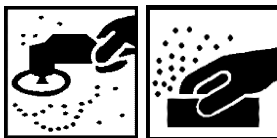


Update date:
25.07.2025r.

Page 2 of 4

Product name: APP Modular Shading Resin Special Base 80-01 Shading Resin. APP No.: 0260001.

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 sandpaper.

The surface of the shade zone must be sanded with grey or gold abrasive fibre with APP PM-07 mattifying paste.

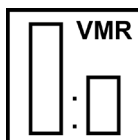
Before spraying on the blending zone APP Modular Special Base 80-01, the lacquered surface must be cleaned of dust and degreased with W911 or W900 remover and WB910 using APP Premium cleaner.

For final dedusting of the surface, use APP SAS, APP SAS Aqua, APP Tack Cloth White or APP Tack Cloth Blue dust-absorbing cloths.

APP Tack Cloth Blue.

Application

Mixing proportions.



VMR - Volume Mixing Ratio

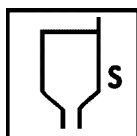
Volume mixing ratio - obtaining a working mixture:

- A) For temperatures from 15°C to 25°C:
- | | |
|---------------|---|
| 100 volumes | APP Modular Special Base 80-01 |
| 80-100 volume | APP Modular Special Base Thinner 80-130 |
- B) For temperatures from 25°C to 35°C:
- | | |
|---------------|---|
| 100 volumes | APP Modular Special Base 80-01 |
| 80-100 volume | APP Modular Special Base Thinner 80-140 |

Thinner may be used

- APP Acryl Verdunnung - slow or normal evaporation time

Spray viscosity: 18-22 s 4mm DIN/+20°C.



The above information is based on the current state of knowledge of our products and their possible applications. It does not guarantee specific properties or suitability for use under specific conditions. Please observe to the notes and warnings on the product labels and in the safety data sheet. We do not accept any We do not bear any responsibility if the final result was influenced by factors beyond our control.

TECHNICAL INFORMATION

Date of preparation:
05.10.2018r.



Update date:
25.07.2025r.

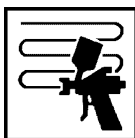
Page 3 of 4

Product name: APP Modular Shading Resin Special Base 80-01 Shading Resin. APP No.: 0260001.

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.



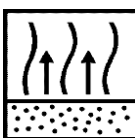
Number of coats:

- 1 wet layer,
- if necessary in special cases, another layer can be added during shading.

Dry film thickness: approx. 10µ m.

Recommended working conditions:

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



Evaporation time at +20°C:

5-7 minutes.

Shelf life of ready-to-use mixture in tightly closed packaging: 2 years.

Application procedure.

- As a levelling layer.
Apply one wet layer of shading resin to the surface with a shading zone. Evaporation time between levelling layer and the first applied shadowing layer APP Modular Special Base from 5 to 7 minutes at the temperature of +20°C. Leave the uncovered levelling layer to evaporate for approx. 15-20 minutes at +20°C before applying the clear coat.
- As an additive to the basecoat.
By adding a shading resin to the base coat, the colour becomes less opaque, and solid additives such as aluminium flakes have additional volume in which they can properly arrange. Apply APP Modular Special Base to cover on a part of the shaded surface. Then, add shading resin to the base coat working mixture in amounts for the first shading layer of 25-30% and for the second layer of 50-70%. Apply the transparent colour in single coats gradually extending in the shading zone beyond the surface to be repaired. Evaporation time between shading layers 3 to 5 minutes at +20°C. After 15 to 20 minutes at +20°C, coat the surface with clear lacquer.

The above information is based on the current state of knowledge of our products and their possible applications. It does not guarantee specific properties or suitability for use under specific conditions. Please observe to the notes and warnings on the product labels and in the safety data sheet. We do not accept any We do not bear any responsibility if the final result was influenced by factors beyond our control.

TECHNICAL INFORMATION

Date of preparation:
05.10.2018r.

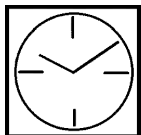


Update date:
25.07.2025r.

Page 4 of 4

Product name: APP Modular Shading Resin Special Base 80-01 Shading Resin. APP No.: 0260001.

Drying.



At +20°C:

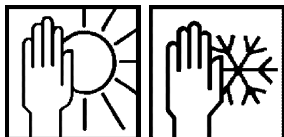
Ready to cover with APP Modular Special Base: 5-7 minutes.
Ready for clearcoat: 15-20 minutes.

Coatability.

In the wet-on-wet system, intended for covering with APP Modular Special Base.
After drying, clean the surface with a dust-free cloth.
APP SAS, APP SAS Aqua, APP Tack Cloth White or APP Tack Cloth Blue, and cover 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.

The above information is based on the current state of knowledge of our products and their possible applications. It does not guarantee specific properties or suitability for use under specific conditions. Please observe to the notes and warnings on the product labels and in the safety data sheet. We do not accept any We do not bear any responsibility if the final result was influenced by factors beyond our control.