

# TECHNICAL INFORMATION

Date drafted:  
11.12.2020



Date updated:  
05.01.2023

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**Product name: APP MS Polymer spray sealant. APP No.:**  
**040403, 040404, 040405, 040406.**

One-component, permanently elastic, quick-drying polymer spray sealant that can be coated with all types of automotive topcoats.

Packaging: Reinforced, thick-walled 290 ml plastic cartridge (HDPE Cartridge RG29 E290).

Product and accessories: APP MS Polymer.

Basic ingredients: APP MS Polymer – polymer hardened under the influence of atmospheric moisture.

Colour:

- 040403 – grey,
- 040404 – yellow,
- 040405 – black
- 040406 – beige RAL1015

Density: 1540 kg/m<sup>3</sup>.

Texture: semi-thick spray paste.

Shore hardness: 40° acc. to DIN 53505.

100% module: 0.85 MPa.

Max stress at break:  
1.25 MPa acc. to DIN 53504.

Max elongation at break:  
250% acc. to DIN 53504.

Resistance:	mechanical:	good	weather:	good
	chemical:	medium	UV:	good
	water:	good	electrostatics:	none
	to chemicals:	good	to colour change:	none

Temperature resistance after curing: -40°C to +100°C.

The above information is in line with the current state of knowledge of our products and their possible applications. This does not guarantee specific properties or suitability for use under specific conditions. Follow the notes and warnings on the product labels and on the safety data sheet. We assume no liability if the final result of the work was influenced by factors beyond our control.

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## Application

- For use in air and hydrodynamic (high-pressure) guns.
- For spray sealing of welded joints.
- For visual reproduction of the original factory spray seal texture.
- For protection against mechanical damage and chipping.
- As a protective coating against stone impact.
- As a vibration-damping layer.
- As a soundproofing layer.
- As a spray sealant in many industrial applications.

## Substrate

Suitable substrates:

APP MS Polymer spray sealant has excellent adhesion without any special primer to: glass, stainless steel, aluminium, lacquered and enamelled surfaces, glass fibre reinforced plastics, glazed ceramic tiles and terracotta. Note!

Polyurethane compounds must be fully cured.

Do not use on PE, PP, PC, PMMA, PTFE, very soft plastics, neoprene and bitumen substrates.

In order to increase the anticorrosive properties, it is advisable to coat steel bodywork sheets with primer or filler before applying the compound.

Substrate preparation:



Before spraying APP MS Polymer sealant, the surface must be dried, de-dusted and degreased:

- with alcohol-based remover,
- with acetone (PVC, glass, aluminium),
- with APP W900 or APP WB910 remover.

## Application

Use with spray guns for polymer sealants, e.g. NTools PM No. 110501 or with extruders with spray function, e.g. NTools PWW 400 No. 110505N. Pierce the threaded end.

Place the cartridge in the pressure chamber of the sealing spray air gun. Spray at a supply air pressure of 2.0 to 6.0 bar.

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The desired sealing texture is achieved by adjusting spray parameters, such as:

- sealant discharge pressure (pressure of the compressed air supplying the pressure chamber of the spray gun),
- amount of compound flowing out of the nozzle (needle adjustment),
- head air pressure (if such an adjuster exists),
- distance of the spray gun nozzle from the surface to be sealed,
- the speed of movement of the spray gun nozzle relative to the surface.

Application temperature: +5°C to +40°C.

Surface temperature: +5°C to +60°C.

Note!

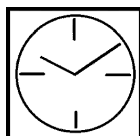
Do not apply on or in the presence of cross-linking silicones

Curing of APP MS Polymer sealant starts immediately after application and depends on temperature and humidity.

At +23°C and 55% relative humidity:

- skinning: after about 10-15 minutes.
- cross-linking rate: 3 mm – 24 hours,  
5 mm – 48 hours.

## Drying



## Coverability:

APP MS Polymer spray sealant, after blending, i.e. after 15-25 minutes, is ready for covering with base and top-coat lacquers used for car body repairs and renovations.

A wet-on-wet method is possible.

Do not coat with polyester putty or polyester spray putty.

## Equipment cleaning:

MEK or turpentine before curing.

Mechanical cleaning after curing.

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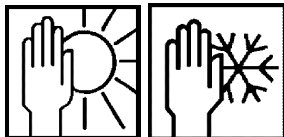


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## Storage:



Store in closed original packaging in a dry and well-ventilated room.  
Storage temperature: +5°C to +25°C.  
Resistant in transport down to -15°C.

## OHS regulations:



For professional use only.  
See text on product labels or SDS.  
The user must comply with the OHS regulations in force in the country concerned.

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