

# TECHNICAL INFORMATION

Issue Date: 23.03.2021r.



Revision Date: 23.03.2021r.

Page 1 from 4

## **Product name: stone-impact protection and spray compound in one APP U210 2w1. APP No. 050110, 050111.**

Permanently elastic spray compound based on synthetic rubber designed to protect car body against stone impacts and to seal weld seams, optically recreating the original factory texture. Protects car body against influence of saline water and low concentrations of acids and bases. Has anti-noise properties. Does not contain bituminous substances or asphalt. Resistance test to saline solution: 720 hours.

Packaging: 1,00 L.

Product and additives: U210 2 in 1.

Basic ingredients: Synthetic resins and rubber, fillers, additives, and solvents.

Color:

- black - APP No. 050110,
- gray - APP No. 050111,

Efficiency: 0.7 kg/m<sup>2</sup> = 0.6 liters/m<sup>2</sup> for 600 µm wet film.  
Caution!  
In practice, performance depends on factors such as object shape, substrate roughness, application method, and working conditions.

Consistency: liquid.

Density at +20°C: 1.23 g/ml - measured in accordance with DIN 51757.

Viscosity at +20°C: approx. 4,250 mPa.s Brookfield (spindle 6 / V100).

Solids content: 54% - measured in accordance with DIN 53216 (3h/120°C).

Thermal resistance: -25°C to +80°C.

Chemical resistance: the product is resistant to water, salt spray, oil, acids, and alkalis in low concentrations after drying.

Salt spray test in accordance with DIN50021:

- up to 480 hours Ri 0 at a product dry film thickness of 350 µm,
- up to 720 hours Ri 0 at 350 µm dry film thickness with topcoat

The above information is based on currently available data and knowledge on the product and its use. The information does not purport to be a description of product in terms of its quality, suitability for use in some conditions, nor does it guarantee any particular features. User shall follow instructions provided on labels and MSDS. Producer is not responsible for consequences and work effects that were influenced with factors beyond his control.

# TECHNICAL INFORMATION

Issue Date: 23.03.2021r.



Revision Date: 23.03.2021r.

Page 2 from 4

## Product name: stone-impact protection and spray compound in one APP U210 2w1. APP No. 050110, 050111.

- Use
- For protection of painted car body surfaces against chipping caused by stones.
  - For protecting spoilers, sills, wheel arches, fenders, and the chassis against damage from stone chips, sand, and salt.
  - For spray sealing of weld seams.
  - For visual reproduction of the original factory spray seal texture.
  - As a soundproofing compound for bus and car chassis.

- Advantages
- Salt solution test according to DIN 50021: for a varnished product 720 hours
  - Ready for use after mixing.
  - Dries to a high and sharp texture.
  - Can be used as a UBS or spray sealer.
  - The obtained surface texture hardly changes (does not spread) while drying.
  - Very good adhesion to many substrates.
  - The obtained protective layer can be repainted with any type of topcoat.

### Substrate

Suitable substrates      Unfinished and primed sheet metal. Primed and top-coated surfaces. Plastic parts.

### Substrate preparation



Remove any signs of corrosion from raw sheet metal.  
Sand steel sheets with P80-P150 abrasive paper.  
Mat (tarnish) aluminum and plastics with abrasive needled cloth.  
Dry sand acrylic and epoxy substrates with P360-P500.  
Before spraying, clean the surface to be protected from dust and degrease it using APP W900 or APP WB910 remover.  
Caution!  
Remove bituminous based coatings.

The above information is based on currently available data and knowledge on the product and its use. The information does not purport to be a description of product in terms of its quality, suitability for use in some conditions, nor does it guarantee any particular features. User shall follow instructions provided on labels and MSDS. Producer is not responsible for consequences and work effects that were influenced with factors beyond his control.

# TECHNICAL INFORMATION

Issue Date: 23.03.2021r.



Revision Date: 23.03.2021r.

Page 3 from 4

## Product name: stone-impact protection and spray compound in one APP U210 2w1. APP No. 050110, 050111.

### Use

Mixing ratio

U210 2 in 1 is supplied ready to spray.

Application



Mix the material in the container well by shaking, tear off the cap protection and attach the container to the spray gun. Apply with a spray gun for maintenance under pressure:

- as UBS: from 3.0 to 6.0 bar at a distance of about 30 cm,
- as a sealing compound: from 2.0 to 4.0 bar at a distance of 1-2 cm.

Number of layers: 1-2 x 1.

Coating thickness:

- 100-300 µm for primed sheets,
- 300-700 µm for raw sheet metal,
- up to 1,500 µm in areas particularly exposed to sandblasting and stone-chipping, e.g. in the interior of wheel arches.

Caution!

The best spraying results are obtained using a spray gun for dense masses with an adjustable outlet nozzle. Before spraying, protect the engine, exhaust system and brake system.

Drying



At +20°C/65% RH and a film thickness of 700µm:

- manipulability from 30 to 60 minutes,
- full hardness 180 to 240 minutes.

At +60°C/65% RH and a film thickness of 700µm:

- Drying time 45 to 60 minutes.

Caution!

Application of a layer thicker than 1 mm causes a significant increase in drying time.

Coverage

U210 2 in 1 after:

- approximately 60-90 minutes used as UBS,
- 3 hours when used as a sealer,

Can be coated with one-component and two-component topcoats for repair and restoration of car bodies

Caution!

It is recommended to apply a thin first coat of paint.

The above information is based on currently available data and knowledge on the product and its use. The information does not purport to be a description of product in terms of its quality, suitability for use in some conditions, nor does it guarantee any particular features. User shall follow instructions provided on labels and MSDS. Producer is not responsible for consequences and work effects that were influenced with factors beyond his control.

# TECHNICAL INFORMATION

Issue Date: 23.03.2021r.



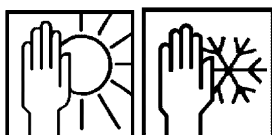
Revision Date: 23.03.2021r.

Page 4 from 4

## **Product name: stone-impact protection and spray compound in one APP U210 2w1. APP No. 050110, 050111.**

Equipment cleaning    White spirit, solvent naphtha, xylene, toluene, technical alcohol.

### Storage



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

### Health and Safety regulations

For professional use only.  
See: text on product labels or in safety or Material Safety Data Sheet.

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

### VOC

VOC limit g/l in the ready to use product.

840 g/l dla U210 2 in 1

Maximum VOC content g/l in the ready to use product.

559.8g/l dla U210 2 in 1

The above information is based on currently available data and knowledge on the product and its use. The information does not purport to be a description of product in terms of its quality, suitability for use in some conditions, nor does it guarantee any particular features. User shall follow instructions provided on labels and MSDS. Producer is not responsible for consequences and work effects that were influenced with factors beyond his control.