

::: KS-2100

stone chip protection / seam sealer

CHARACTERISTICS

KS-2100 is a combined over paintable stone chip protection and seam sealer. It is based on rubber and resins and has both anti corrosive and sound deadening properties.

When dry KS-2100 can be painted with all conventional paint systems. The coating retains its elastic and durable properties in many conditions.

APPLICATION

Stone Chip Protection:

Use for protection against stone chips and corrosion on bumpers, sills and chassis areas, for example, cars, trucks and buses. KS-2100 can be used as a sound deadening product in wheel arches and on the chassis of cars, trucks and buses.

Seam Sealer:

Can be used as a one component elastic seam sealer. Provides a durable seal on welding seams and overlaps.

KS-2100 is a universal product for:

- Automotive Industry
- Car Body Manufacturing
- Body Repair Shop
- Bus Construction
- Carriage Construction

PRODUCT DATA

Material data:

Consistency: Liquid, good sag resistance

Colour: Black, white/beige, grey

Viscosity (20°C) Brookfield:

Black: 4.000 – 4.500 Pas (Spindle 6 / V100)

White: 5.000 – 5.500 Pas (Spindle 6 / V100)

Grey: 4.000 – 4.500 Pas (Spindle 6 / V100)

Density (20°C) DIN 51757 1,21 - 1,25 Kg/ltr

Specific gravity: Ca. 1,2 kg/l

The drying time depends on the layer thickness and ambient conditions.

Solid content: Ca. 54%

Characteristics:

Formation of skin

At ± 20°C, 65% RV 30 – 60 Minutes (± 700 µ)

Completely dried

At ± 20°C, 65% RV 180 – 240 Minutes (± 700 µ)

Overpaintable (±20°C, 65% RV)

2 comp. acrylic system Possible after drying, primer recommended

Basecoat System: Possible after drying

Water based Systems: Possible after drying

Chemical resistance: Water, salt spray, oil, soft bases und acids

Temperature resistance: Hardened against -25 °C to +80 °C

Consumption With ± 600 µ wet layer ± 0,7 kg/m²; ± 0,7 ltr/m²

Cleaning:

Fresh material: Solvent

Hardened material Mechanical



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Salt spray test:

DIN 50021 Up to 480 hours Ri 0 at 350 μ dry layer

DIN 50021 Up to 720 hours Ri 0 at 350 μ dry layer + paint

Stone chip test: SAE-J400 method 6C - 6D at 350 μ dry layer thickness

Adheres on: several metal surfaces

Adhesion

DIN 53151 Gt 0 with several metal surfaces

DIN 53151 Gt 0 with 2 comp. acrylic system

DIN 53151 Gt 0 with basecoat system

DIN 53151 Gt 0 with water based system

HANDLING

Stone Chip Protection

Shake well before use. The surface must be sound, clean, dry and grease free. KS-2100 can be applied with an airmix pistol with an adjustable nozzle or with a pressure gun with an air-pressure of 3-6 bar. The optimum spraying distance is about 30 cm. KS-2100 is over paintable, depending on the coating thickness, after about 60 to 90 minutes. All conventional 2 comp., water based lacquers and base coat lacquers can be used. When applying 2 comp., base coat or water based lacquers the surface must be primed with CS Kunststoff-Haftvermittler-SPRAY ML 400 and allowed to flash off/dry before painting. If thicker layers are wanted it is recommended to let the layers dry in between. The product can be sprayed haze free without any cobb webbing and does not run. Any contaminated surfaces and equipment can be cleaned while liquid with solvents.

Seam Sealer:

Shake well before use. The surface must be sound, clean, dry and grease free. KS-2100 can be applied with an airmix pistol with an adjustable nozzle or with a pressure gun with an air-pressure of 2-4 bar. The optimum spraying distance is between 1-2 cm. KS-2100 is over paintable, depending on the coating thickness, after 3 hours or when completely dry. All conventional 2 comp. and base coat lacquers can be used. With 2 comp.



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lacquers we recommend that a thin layer of primer is applied and allowed to dry completely before the topcoat system is applied. The product can be sprayed haze free without any cobb webbing and does not run. Any contaminated surfaces and equipment can be cleaned while liquid with solvents.

Before overpainting with synthetic resin based lacquers the surface must be allowed to dry completely. When applying 2 comp., base coat or water based lacquers the surface must be primed and allowed to flash off/dry before painting.

PRECAUTIONS

The product should not be stored below +10°C or above +30°C. The container must be protected from direct sunlight and heat. Shelf life is min. 2 years in the closed original container stored in a cool and moisture free place.

SAFETY ISSUES

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgement in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

Directions for handling and waste disposal are in our Material Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry.

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