

2C-PUR-lacquer ZL-23

2C-topcoat with hardener ZA-01 and high resistances for metallic objects.



Product description

Application range

2C-topcoat lacquer based on PUR with high degree of cross-linking. In combination with 2C-primers excellent adhesion. Long-term corrosion protection for metallic parts like iron based metals, for hot galvanised surfaces and aluminum. In combination with UV resistant pigments suitable for decorative objects and vehicles of any kind. Examples for application: Machines, tools, general steel constructions, facade elements, containers, agricultural machines.

Properties

- 2 component lacquer
- for indoor and outdoor application
- fast drying
- good levelling
- for decorative coatings, e. g. facades
- easy application
- high surface hardness
- good gloss retention
- excellent UV resistance
- short time solvent resistance

Colour shades

RAL, NCS and special colours

Gloss level

glossy (depending on colour shade), also available in different matting grades

Application rate

approx. 6,5 m²/kg (60 µm DFT)

Solid content

approx. 57% (depending on colour)

Binder agent

hydroxyacrylat with aliphatic polyisocyanate

Delivery sizes

750 g ZL-23 part A + 150 g ZA-01 part B
2,0 kg ZL-23 part A + 400 g ZA-01 part B
10,0 kg ZL-23 part A + 2,0 kg ZA-01 part B

Hardener

ReiColor ZA-01 (part B)

→ Basis

aliphatic polyisocyanate

→ Mixing ratio	part A : part B in wt.% 5 : 1 part A : part B in wt.% 4 : 1 at RAL 9006
Temperature resistance	approx. 100 - 120°C, on short-term even higher
Storage stability / shelf-life	In original, unopened can at least 2 years from delivery, store cool and dry.

Handling

Material preparation	Before use mix thoroughly compound A with compound B.
Application method	<u>Extruding</u> : High pressure method with 1, 5 – 2 mm injector, 4 – 6 bar, if necessary, add a little solvent. <u>Airless spraying</u> : Spraying pressure of spray gun min. 180 bar, injectors from 0,38 – 0,53 mm, spraying angle 65 – 80°. <u>ESTA (electrostatic) spraying</u> : E.g. with Ransburg No. 2 or similar machines. Adjusted for electrostatic processing. Consider manufacturer's instructions.
Application temperature	Material and substrate temperature at least + 5°C to max. + 40°C.
Substrates	steel, aluminum, hot-dip galvanized steel
Substrate preparation	Carefully observe the relevant standards EN ISO 12944 and the Technical Directives for Painting and Coating Work, Code of Practice No. 5: "Coatings on zinc and galvanized steel" of the Federal Committee of "Paint and asset protection".
Working life	Approx. 4 h
Coating built-up	1 to 2 undercoats with 2C acrylic or 2C epoxy primer, e.g. ZG-02 . 1 to 2 topcoats with 2C topcoat ZL-23 .
Solvents	ReiColor VA-70
Drying time T1 (dust dry)	approx. 45 min (approx. 60 µm/+20°C)
Drying time T6	approx. 7 - 8 h (approx. 60 µm/+20°C)
Working instruction	Do not handle in closed rooms.

Notes

Working environment	Take care of good supply of fresh air at working place.
Disposal	according to regional regulations

Safety instructions VOC

Cat. B/e: 840 g/l (2007).
When mixed with part B this product contains max. 840 g/l VOC.

Hazard notes

Observe Safety Data Sheet. Further directions, e.g. the Technical guideline for the handling of hazardous materials are to be considered.

Data base: All technical information in this data sheet is based on laboratory tests and may deviate from values actually resulting from practical use.

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Release date: 24.06.2024