



TELPUR C 100 AG

Two-component polyurethane transparent varnish against graffiti

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Composition Solution of acrylic resin in organic solvents, hardened with aliphatic polyisocyanate with addition of special additives based on silicone.

Characteristics and use The transparent varnish is intended for the final surface treatment of already painted surfaces according to ISO 12944-5, where a high demand for the resistance of the coating to graffiti spraying is required. The coat is resistant to weathering, yellowing, chalking and many chemicals and moisture. Before use the varnish is mixed properly with the hardener in specified ratio.

- ◆ excellent weather resistance
- ◆ high gloss
- ◆ excellent levelling
- ◆ easy to remove graffiti
- ◆ possibility of repeated cleaning, without the need of application after each cleaning

Application area Exterior and interior, where there are high requirements for resistance against pollution and graffiti.

Shades Transparent

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| Physical properties | Flow time | 70 - 130 s (cup Ford Ø 4 mm) (product) |
| | Weight solids | 55 % (hardened mixture) |
| | Volume solids | 46 % (hardened mixture) |
| | Flash point | > 25 °C |
| | Density of product | ca 1000 kg/m ³ |
| | Density of hardened mixture | ca 1050 kg/m ³ |

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| Emission limits | VOC: 0.45 kg/kg of hardened mixture | TOC: 0.42 kg/kg of hardened mixture |
| | This product is for professional use only. Not for DIY. | |

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| Properties of cured coat | Gloss / 60° | at least 90 |
| | Hardness / Persoz | up 20 % in 24 hours |

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| Drying time | Surface temperature | 23 °C |
| | Dust free | 40 minutes |
| | Dry through | 16 h |
| | Dry film thickness DFT | 40 µm |

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| Spreading capacity | Wet film thickness WFT | 110 µm |
| | Dry film thickness DFT | 50 µm |
| | Theoretical spreading capacity | 10 m ² /kg |

Thinning TELSOL PUR 3, U 6003, TELSOL UNI (for higher application temperatures)

Hardening Hardener: TELHARD PUR

Mixing ratio: 2.5 volume parts TELPUR C 100 AG : 1 volume part TELHARD PUR

The pot life of the hardened mixture is 4 hours (20 °C).

Surface preparation The substrate must be provided with a suitable anticorrosion coating system. The optimal thickness and composition of the paint system depends on the aggressivity of atmosphere and on the expected durability of a protective system. The selection of an appropriate system should be in accordance with EN ISO 12944-5: 2018.

The surface of the coating system prepared according to ISO 12944-5 must be dry, clean, free of any dust and grease.

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| Application conditions | For coating / spraying outside the suitable weather forecast is necessary. During rain, fog, creation of condensation water, effect of aggressive gases and during wind with strong content of dust the coating work must be suspended and can be restart after absolute drying of surface-treated material. Minimal air temperature for application is 10 °C, temperature of painted surface must be 3 °C above dew point. Temperature and relative humidity must be measured in proximity of painted surface. The surface temperature must not be higher than 40 °C. Relative humidity must not be higher than 75 %. Lower temperature and higher humidity during an application and a drying and high thickness of applied coats markedly slow down drying and hardening of the coat. Imperfectly dried surface can cause problems with adhesion of paint to surface or with adhesion between individual coats. In addition it can negatively affect overall appearance of the paint film. |
| Workflow | A two-component polyurethane varnish TELPUR C 100 AG is applied to a pre-prepared substrate (two-component polyurethane coating system). The individual layers are applied at intervals of 24 hours at 20 °C or by the "wet into wet" system. The optimal thickness of one layer is 35 - 45 µm. Areas that are not determined to be treated with anti-graffiti paint must be protected with a suitable masking before application. The varnish is applied by cross spraying or in parallel strips to achieve a final uniform layer. Consumption of paint must be checked to avoid excessive thickness, to avoid splashing, cracking and solvent retention. |
| Application | Conventional spraying (recommended viscosity 25 – 30 s / cup Ford Ø 4 mm; 10 - 20 % thinning) |
| Application data | Data for conventional spraying Spraying gun e.g. EST 115, EcoGun 116, EcoGun 246 Nozzle according to desired capacity 1.4-2.0; Air pressure 1.5 – 2 atm. |
| Handling | Read the instructions in the Safety Data Sheet before use and follow all safety instructions and regulations. The product contains organic solvents. Follow basic hygiene rules. Do not eat, drink or smoke while using this product. Avoid contact with eyes, skin or clothing. Wear protective gloves, eye protection, protective clothing. Ensure effective ventilation of the workplace. |
| Packing | 2.5 kg |
| Storability | The product keeps the product qualities 5 years from production date in original closed container. To store in dry storage at the temperature 5 to 25 °C. Flammable liquid II. hazard class. |
| Disposal of packing and waste | Hand over the used, properly empty packing at the collection point of the packing waste. Dispose the packing with the product rest at the place determined by the town for disposal of hazardous waste or hand over to the person authorized for hazardous waste disposal. Further see the product safety data sheet. |

These data are only for information and their accuracy is influenced by the properties of individual materials and unpredictable factors during application. The user is responsible for correct use of the product according to the direction for use and for correct application of painting system, i.e. he must always evaluate all conditions of application, which could influence final quality of the top treatment. Therefore we always recommend to the user to carry out the test for actual working conditions and type of surface applied. Above mentioned data are data, which influence individual working conditions and therefore they do not establish a legal claim. It is necessary to consult information outside the terms of this catalogue sheet with the producer.

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