

ACID RESISTAT URETHANE

DUF-300 (2K)



This paint is a two-component paint that mainly consists of special fluorine resin and isocyanate with superior adhesiveness. It has outstanding acid resistance, weather resistance, and chemical resistance. This paint is designed to be suitable for painting industrial machinery and for general industrial purposes.

Usage

Semiconductor equipment and robots
Industrial equipment requiring acid and chemical resistance

Specification

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|-------------------------|---|------------|--|------------------|
| Paint type | Acrylic fluorine resin | | | |
| Drying time | Category | 100 °C | 110 °C | 120 °C |
| | Dry-through | 50 minutes | 40 minutes | 35 minutes |
| Thinner | DUF-300 thinner | | Dilution rate | 30 - 50 (% , vl) |
| Paint viscosity | 70 ± 5 (KU/25 °C) | | Color | White |
| Specific gravity | 1.25 ± 0.05 (25 °C) | | Gloss (60 °) | G: 70 or below |
| Thickness of dried film | 35 - 45 μm | | Solid | 55 ± 5 (%) |
| Wet film thickness | 70 - 80 μm | | Recommended top coat | |
| Theoretical Coverage | 7.5 - 10 (m ² /ℓ, 35 μm, 70 % delivery efficiency) | | ※Property values of the paint may differ depending on color and purpose. | |

Product Properties (Physical Property Data)

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|-----------------|--|---------------|--|
| Adhesiveness | 100/100 Cross Cut (1mm) | KS M ISO 2409 | Above 2ñ |
| Acid resistance | 49% fluorine solvent, exposed for 30 minutes | - | There is no peeling or air pockets on the surface. |

* The substance values above are from lab results and may differ depending on working conditions of the painting line.

How to Use

| | | | | |
|-------------------|--|-----------------|--------------------|-------------------------------------|
| Surface treatment | <ul style="list-style-type: none"> Completely remove oil, moisture, metal shavings, sand, dust and foreign substances from the surface. Dry the target surface sufficiently after surface treatment. | | | |
| Coating Method | • Airless spray | | | |
| | Recommended thinner | DUF-300 thinner | Dilution viscosity | 18 - 25 seconds (Ford cup #4/25 °C) |
| | Recommended coating tool | — | Spray pressure | 4 - 5 kg/cm ² |
| | • Air spray | | | |
| | Recommended thinner | DUF-300 thinner | Dilution viscosity | 18 - 25 seconds (Ford cup #4/25 °C) |
| | Recommended coating tool | — | Spray pressure | 4 - 5 kg/cm ² |

Caution

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|------------------|---|
| Usage Precaution | <ul style="list-style-type: none"> Use the mixed paint within the pot time during summer (30 °C, 3 hours). Please adhere to the ratio of main agent and hardener as it affects product performance. Select thinner according to temperature and humidity of the painting line in the season. |
| | <ul style="list-style-type: none"> Store the paint in a cool, dark area and avoid direct sunlight. Shelf life is 12 months. Stir the product to prevent precipitation when storing more than 6 month. |
| | Other Precautions |

▶ This data sheet is based on the test results and knowledge that NOROO produced or possesses, and may change without notice for quality improvement.