



2K DTM PLUS

Description

- 2-pack acrylic polyurethane high performance “Direct to Metal” coating.

Properties

- Superior weather resistance and light fastness
- Easily recoatable
- Excellent gloss retention
- Fast dust-free time

Typical Applications

- Steel fabrications (e.g. electrical transformers)
- Truck and bus refinishing

General Data

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|-----------------------|--|
| ▪ Weather resistance | Excellent |
| ▪ Solvent resistance | Resists splashes of most common solvents (<i>Not recommended for continuous immersion</i>) |
| ▪ Chemical resistance | Good |
| ▪ Abrasion resistance | Good |

Specifications (at 25°C and 50% relative humidity)

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|--|--|
| ▪ Resin type..... | Acrylic polyurethane |
| ▪ Mixing ratio..... | 4 : 1 (by volume) |
| ▪ Solids content..... | 50% (by volume) |
| ▪ Typical film thickness (per coat)..... | 50 microns (dry)
100 microns (wet) |
| ▪ Theoretical coverage..... | 12m ² / L @ 25 microns dry film thickness (dependant on colour) |
| ▪ Touch dry..... | 40-50 minutes |
| ▪ Hard dry..... | 12 hours |
| ▪ Full cure..... | 7 days |
| ▪ Recoating..... | after 16 hours |
| ▪ Pot life..... | 4 hours (depending on temperature and level of thinner added) |
| ▪ Gloss..... | Gloss |
| ▪ Colour..... | Extensive colour library and easy colour matching with Coloryte [®]
Industrial Tint System |
| ▪ Shelf life..... | minimum 12 months (in cool, dry conditions; unopened containers) |

Surface Preparation

- Bare steel surfaces must be degreased, then subjected to abrasive blasting (to AS 1627.4 Class 2½) or abrasion with a suitable power cleaning tool (e.g. disc sander)

Mixing recommendation

- Mix only the quantity required for the job
- Mix Pack A with Pack B in the ratio 4:1 (v/v)
- Stir thoroughly with a broad paddle or mechanical mixer to ensure even mixing of the two parts
- Thinning not usually required, but can be thinned up to 10% by volume with T7 DTM Thinner.
- Refer "Application" directions and stir as above

Application

- May be spray applied using airless or conventional air spray equipment
- Small areas may be coated by brush or roller
- **Airless Spray** nozzle size.....0.33 - 0.38 mm
nozzle pressure.....2800 - 4000 psi (19 - 27mPa)
volume of thinner.....up to 10%
- **Air Spray** nozzle size.....1.6 - 2.0 mm
nozzle pressure.....45 - 60 psi (300 - 400kPa)
volume of thinner..... up to 20%
- **Cleaning solvent** T7 Thinner

Caution: Must not be applied over damp surfaces. Do not apply when the air/surface temperatures are below, or are likely to fall below, 10°C or the relative humidity is above 70%.

Safety precautions

- Contents are flammable – keep away from all ignition sources
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles
- When spraying, ensure adequate ventilation and wear appropriate protective clothing and equipment

Packaging Group II **UN No.** 1263 (Pack A) 1866 (Pack B)

Pack sizes 4 litre & 20 litre (Pack A)
 1 litre & 5 litre (Pack B)

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These technical data and recommendations are based on tests and information believed to be accurate at the time of printing. They should not be construed as containing any warranty, either expressed or implied. Users should conduct their own tests to determine final suitability of this product.

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