

Tradex T

PRODUCT DESCRIPTION

The product is a versatile powder coating designed to provide attractive appearance in combination with good protective properties.

Application areas

This product is suitable for interior and exterior use and can be applied to ferrous and non-ferrous substrates.

POWDER PROPERTIES

Property	Standard	Result
Specific gravity	Calculated	Horizontal application : Max. 1.9 g/cm ³ Vertical application: Max. 1.7 g/cm ³

Storage

Keep in a dry cool area. Maximum temperature 25 °C. Maximum relative humidity 60 %. If stored longer than 12 months a quality test must be performed.

APPLICATION

Pretreatment

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the pretreatment. For optimal results, it is recommended to follow the pretreatment supplier's instructions and recommendations.

The recommended types of pretreatment for the most frequently used substrates are:

Substrate	Pretreatment
Aluminium	Chromate conversion
Steel	Zinc phosphate
Zinc coated steel	Zinc phosphate or chromate conversion
Final rinse (deionized)	The last running water from the object should be tested at 20 °C. The readings obtained should measure below 30 µS/cm.

Suitable chrome-free pretreatment for aluminium is also recommended. Due to the variety of chrome-free pretreatments available today, only the approved systems from Qualicoat and GSB should be used. Detailed advice should be sought from the pretreatment supplier.

Powder application

Curing temperature depends on customer need and formulation.

Curing schedule	Object temperature	Time
Tradex 0T	200 °C	10 minutes
Tradex 8T	180 °C	10 minutes

Other curing schedules can be created upon technical approval.

Recommended film thickness (µm): 60-100

Equipment

Suitable for Corona charging equipment. Recommended charging voltage is 40-90 kV. The product can be applied on both horizontal and vertical lines.

APPEARANCE

Colour Available in a range of colours and effects, including metallic.

Gloss EN ISO 2813 (60°)
 OT 20-89
 8T 60-89

Finish Smooth

If the significant surface is too small or unsuitable for the gloss to be measured with the glossmeter, the gloss should be compared visually with the reference sample (from the same viewing angle).

Gloss measurements of metallic effect coatings can show deviation from original levels specified in this document and visual comparison with the reference sample is recommended.

Gloss range used in TDS and on the label of the metallic effect coatings represents gloss of the base and not of the final finish.

Other gloss levels are available upon technical approval.

PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate Chromated aluminium panels
 Substrate thickness (mm) 0.8
 Film thickness (µm) 60-80
 Typical values when tested.

Property	Standard	Result
Accelerated weathering	ISO 16474-3	Cycle: 4 hours at 50 °C UV and 4 hours at 40 °C condensation. No chalking, good gloss retention and colour stability after 200 hours testing.
Resistance to neutral salt spray	ISO 9227	No blistering or loss of adhesion after 500 hours
Impact resistance	EN ISO 6272 /ASTM D2794 (impactor diameter 15.9 mm)	20/20 inch-pounds (front and reverse)
Adhesion	ISO 2409	Cross-cut rating Gt0 (100 % adhesion)
Cupping test	ISO 1520	≥5 mm
Resistance to humid atmospheres	ISO 6270-2	No blistering and maximum 2 mm corrosion creep from scratch after 500 hours

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.