

Tradex

PRODUCT DESCRIPTION

The product is a versatile powder coating designed to provide attractive appearance in combination with good protective properties. It is available in TGIC and TGIC-free versions.

Application areas

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

POWDER PROPERTIES

Storage

Keep in a dry cool area. Maximum temperature 25 °C. Maximum relative humidity 60 %. Under these mentioned conditions, product shelf life is 12 months from date of manufacture.

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
Standard cure	160-200 °C	10 minutes

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°)	25-95
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).

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)	60-100
Typical values when tested.	

Property	Standard	Result
Accelerated weathering	DIN EN ISO 11507 (UVB - 313)	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.
Salt spray resistance	ASTM B117	No blistering or loss of adhesion after 500 hours
Impact resistance	EN ISO 6272 /ASTM D2794 (impactor diameter 15.9 mm)	More than 20 inch-pounds or 2.0 Nm without film cracking

Disclaimer

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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.