

Corro-Coat MX Series 8

PRODUCT DESCRIPTION

The product is a hybrid powder coating. It is developed to provide attractive decorative finishes combined with protective, chemical and functional properties. The product offers excellent mechanical and chemical performance with good flow and finish.

Application areas

This product is recommended for interior use only.

Typical application areas

- Domestic appliances
- Office furniture
- Home furniture
- Workshop furniture
- Fixtures
- Shelves
- Lighting equipment
- Wire work
- Heating radiators
- Wheel rims
- Hand tools

The product is discouraged for applications where resistance to UV light is a prerequisite.

Special formulations are available or custom-made to meet the requirements for low surface friction, porous substrates and other special applications.

POWDER PROPERTIES

Storage

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

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 or chrome-free conversion
Steel	Iron or zinc phosphate or nanoceramic conversion
Zinc coated steel	Zinc phosphate, chromate or nanoceramic 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.

Powder application

This product can be formulated for curing temperatures from 160 °C to 200 °C object temperature.

Equipment

Suitable for Corona or Tribo charging equipment.

APPEARANCE

Colour The product is available in a wide assortment of custom-made colours, including RAL and NCS.

Gloss EN ISO 2813 (60°) 10-95 (for smooth finishes)

Finish Smooth and textured finishes

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 Zinc-phosphated cold rolled steel panels
Substrate thickness (mm) 0.8
Film thickness (µm) 60

Typical values when tested.

Property	Standard	Result
Adhesion	EN ISO 2409 (2 mm)	Cross-cut rating Gt0 (100 % adhesion)
Impact resistance	ASTM D2794 (5/8 " ball)	Most grades exceed 60 inch-pounds without film cracking
Cupping test	EN ISO 1520	Most grades exceed 5 mm without film cracking
Flexibility	EN ISO 1519	Cylindrical Mandrel bend test, 3-12 mm without film cracking
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: >80
Salt spray resistance	ASTM B117	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours exposure.
Resistance to humid atmospheres	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours exposure.

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.