

Corro-Coat EP, Series 9

PRODUCT DESCRIPTION

This product is developed to combine attractive finishes with superior protection performance in aggressive environments where mechanical and chemical resistance are required. The product offers a high level of surface hardness and resistance to wear and tear.

Application areas

This product is recommended for interior use only.

Typical application areas:

- Machinery
- Heavy duty machinery and tools
- Laboratory equipment
- Automotive coil springs
- Brake pads
- Cable ducting
- Pallet-racks
- Tools

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 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

- Aluminium
- Steel
- Zinc coated steel
- Final rinse (deionized)

Pretreatment

- Chromate conversion
- Zinc phosphate
- Zinc phosphate or chromate conversion
- 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°) All gloss levels

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	Excellent Indentation resistance according to Buchholz: >80
Salt spray resistance	ASTM B117	Excellent No blistering or loss of adhesion after 1000 hours
Resistance to humid atmospheres	DIN 50017	Excellent No blistering or loss of adhesion after 1000 hours
Heat resistance (Colour stability)	ASTM G 154 (UVB-313)	Yellowing of light colours

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.