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 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:

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

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
Technical Data Sheet
Corro-Coat EP, Series 9

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 following:

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesion</td>
<td>EN ISO 2409 (2 mm)</td>
<td>Cross-cut rating Gt0 (100 % adhesion)</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>ASTM D2794 (5/8 ’’ ball)</td>
<td>Most grades exceed 60 inch-pounds without film cracking</td>
</tr>
<tr>
<td>Cupping test</td>
<td>EN ISO 1520</td>
<td>Most grades exceed 5 mm without film cracking</td>
</tr>
<tr>
<td>Flexibility</td>
<td>EN ISO 1519</td>
<td>Cylindrical Mandrel bend test, 3-12 mm without film cracking</td>
</tr>
<tr>
<td>Film hardness</td>
<td>EN ISO 2815</td>
<td>Excellent Indentation resistance according to Buchholz: &gt; 80</td>
</tr>
<tr>
<td>Salt spray resistance</td>
<td>ASTM B117</td>
<td>Excellent No blistering or loss of adhesion after 1000 hours</td>
</tr>
<tr>
<td>Resistance to humid atmospheres</td>
<td>DIN 50017</td>
<td>Excellent No blistering or loss of adhesion after 1000 hours</td>
</tr>
<tr>
<td>Heat resistance (Colour stability)</td>
<td>ASTM G 154 (UVB-313)</td>
<td>Yellowing of light colours</td>
</tr>
</tbody>
</table>

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.