ZINCTECT 1500 QD

**Technical Data**

ZINCTECT 1500 QD

**GENERIC TYPE**
Zinc Rich Paint

**DESCRIPTION**
Inorganic zinc rich paint based on alkyl silicate resin liquid and zinc base

**RECOMMENDED USE**
Steel structure at marine or industrial severe corrosive environment

**FEATURES**
- Excellent anti-corrosive performance
- Excellent water, sea water, oil and organic solvent resistance
- Excellent heat resistance up to 400℃ continuously.
- High build coating and 75μ per coat is achieved.
- Conforms to SSPC paint 20 Level 2

**PHYSICAL PROPERTIES**
- Colour: Grey
- Finish: Matt
- Volume Solids: 44 %
- Typical Thickness: Dry: 50 microns / coat
- Theoretical Coverage: 8.9 ml/L at 50 microns DFT
  *Practical coverage vary depending on loss factors.
- Flash Point: 20℃(Liquid)
- Specific Gravity: 1.9 g/cm3
- VOC: 462 g/L
- Temperature Resistance: Non-continuous: 500℃, Continuous: 400℃
  *These numerical values are subject to normal manufacturing tolerances, colours and testing variances.

**SURFACE PREPARATION**
- All surfaces to be coated should be completely clean, dry and free from contamination.
- Surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by fresh water.
- Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1:2007 Sa 2 1/2 or SSPC SP-10).
- Ambient temperature shall be above 5℃ and relative humidity shall be below 85%.
- Surface temperature shall be a minimum of 3℃ above dew point.
- Adequate ventilation shall be provided in confined spaces to ensure proper drying.

**APPLICATION**

**Application Conditions**
Ambient temperature shall be above 5℃ and relative humidity shall be below 85%. Surface temperature shall be a minimum of 3℃ above dew point.
Adequate ventilation shall be provided in confined spaces to ensure proper drying.

**Mixing**
Stir each component with power agitator well before mixing. Then power mix two components.

**Mixing ratio**
Liquid/Base = 30/80 (by weight)

**Induction Time**
Not required

**Application Method**
Airless spray
- Thinner : SD Zinc 1500 Thinner (0~5% by weight)
- Nozzle pressure: Not less than 6Mpa
- Nozzle Tip: No.163-519~621
- Brush suitable small area only. Thinner: SD Zinc 1500 Thinner (0~5% by weight)
- Rollar not recommended
*SD Zinc 1500 Thinner for Slow Dry can be used to prevent dry dust coat under high temperature. Power mix thinner if required.
*Too much thinning results sagging and slower cure.
**ZINCTECT 1500 QD**

**GENERAL REMARKS**

Clean all the equipment with thinner immediately after use.

**SAFETY PRECAUTIONS**

Clean all the equipment with thinner immediately after use.

**Pot Life**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>5 °C</th>
<th>20 °C</th>
<th>30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (hour(s))</td>
<td>4</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

*Use all mixed paint within pot life.

**Drying Time**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>5 °C</th>
<th>20 °C</th>
<th>30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface dry (minute(s))</td>
<td>60</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Touch dry (minute(s))</td>
<td>90</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

*Drying time may vary depending on film thickness, ventilation, humidity, undercoat paint condition etc.

**Overcoating Interval**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>5 °C</th>
<th>20 °C</th>
<th>30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum (hour(s))</td>
<td>18</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Maximum (month(s))</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

*The overcoating intervals are based on overcoating with same or same type of paint.

**STORAGE**

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

**SHELF LIFE**

6 months from date of production (store in cool and dry indoor area)

**DISCLAIMER**

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**ISSUED DATE:** 01/03/2017