MasterEmaco® 8100AP

Single component epoxy based zinc rich primer for steel

**DESCRIPTION**

MasterEmaco 8100AP is a single component, solvent borne zinc rich epoxy primer, providing active galvanic protection to steel. It is a thick grey liquid of paint-like consistency, recommended for use where chloride induced attack on steel and concrete is involved.

**TYPICAL APPLICATIONS**

- As a protective coating to steel reinforcing bars in concrete.
- As a touch-up primer for damaged galvanised metal.
- As a primer for steel substrates prior to suitable top coating.

**ADVANTAGES**

- Provides positive protection of steel components against corrosion
- Excellent adhesion to steel
- Easy to use single component material
- No pot-life restrictions or wastage
- Short overcoating time

**PACKAGING AND COLORS**

MasterEmaco 8100AP is a single component system, supplied in 1 L units and available in thick grey liquid.

**STANDARDS**

MasterEmaco 8100AP is formulated to meet the scope of BS 4652, 1995 Type 2.

**TYPICAL PROPERTIES***

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific gravity</td>
<td>2.20 at 25°C</td>
</tr>
<tr>
<td>Tack free time (approximate)</td>
<td>20 min at 25°C, 5 min at 40°C</td>
</tr>
<tr>
<td>Reccoat time</td>
<td>5 h at 25°C, 2 h at 40°C</td>
</tr>
<tr>
<td>T.Z.C. in DFT</td>
<td>&gt;90%</td>
</tr>
<tr>
<td>D.F.T. per coat</td>
<td>&gt;50 microns</td>
</tr>
<tr>
<td>Application temperature</td>
<td>min. 10°C, max. 40°C</td>
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</tbody>
</table>

**APPLICATION GUIDELINES**

**SURFACE PREPARATION**

The steel surfaces should be or grit blasted or wire brushed to remove all traces of corrosion. Ensure no oil, grease or dust is present. Surfaces should be dry.

Apply MasterEmaco 8100AP immediately after completion of preparation to prevent any contamination. Do not leave blasted or prepared steel uncoated.

**MIXING**

MasterEmaco 8100AP should be thoroughly mixed prior to application.

**PLACING / APPLICATION**

Brush the MasterEmaco 8100AP onto the prepared substrate, ensuring uniform and full coverage, particularly on the back face of reinforcement. Repair mortars can be applied as soon as the MasterEmaco 8100AP is dry.

**LONG TERM EXPOSURE**

MasterEmaco 8100AP is not designed as a finished coating. Although protection to the steel will be provided for some time, overcoating should be carried out as soon as possible, particularly in aggressive environments.

**CLEANING**

Tools should be cleaned with a suitable solvent such as MEK / Xylene immediately after use.

**COVERAGE / YIELD**

When used for coating steel 1 L of MasterEmaco 8100AP will cover 165 linear metres of 16 mm diameter bar per coat and pro rata or 7.5 m²/L/coat.
STATEMENT OF RESPONSIBILITY

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