COATING SPECIFICATION

COATING PROCEDURES FOR CLEAN SKIN STEEL PIPE PERMANENTLY EXPOSED TO ATMOSPHERE

COATING SPECIFICATION: M3 ISSUE: 3 DATE: AUGUST 2019

1.0 SCOPE

This document summarises the coating procedure for the following scenarios as shown in Figure 1:

Scenario 1:
- Clean skin carbon steel pipe permanently exposed to atmosphere requiring no colour.

Scenario 2:
- Clean skin carbon steel pipe permanently exposed to atmosphere requiring a colour top coat.

The recommended Corporation specifications are as follows:

Scenario 1:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>A1</td>
<td>Surface Preparation for the Application of Protective Coatings on Steel or Cast Iron</td>
</tr>
<tr>
<td>B1</td>
<td>Inorganic Zinc Silicate Coating on Steel or Cast Iron</td>
</tr>
</tbody>
</table>

Scenario 2:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Surface Preparation for the application of Protective Coatings on Steel or Cast Iron</td>
</tr>
<tr>
<td>C2</td>
<td>Zinc Rich Epoxy Primer, Epoxy Mastic Coat, Polyurethane Top Coat on Steel or Cast Iron</td>
</tr>
</tbody>
</table>

Note:
If anti-graffiti properties are required, replace the specified top coat with 2 coats of 50 microns nominal dry film thickness “Anti-graffiti Polyurethane” with a total thickness of 100 microns as described in Corporation Coating Specification J1.

Refer Design Standard, DS 95 (Standard for the Selection, Preparation, Application, Inspection and Testing of Protective Coatings on Water Corporation Assets) for additional information or clarification.
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On Steel Surface:
Surface Preparation Spec : A1
Coating Spec on Steel Pipe: B1 (IZS Grey colour Primer coat only)
Coating Spec on Steel Pipe: C2 (When colour top coat is required)

Cement Mortar Lining

Note: Colours in the above diagram is indicative only, standard pipeline coating colours to be used.

Figure 1 - Coating for clean skin steel pipe permanently exposed to atmosphere.