COATING SPECIFICATION

ABOVE GROUND TO BELOW GROUND PIPELINE TRANSITIONAL AREA AND CONCRETE ENCASEMENT COATING PROCEDURE

COATING SPECIFICATION: M1 Issue: 3 Date: AUGUST 2019

1.0 SCOPE

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

(1) Sintakote® pipe transition below ground to above ground.
(2) Concrete encased pipe sections.

The recommended Corporation specifications are as follows:

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<table>
<thead>
<tr>
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<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>
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<tr>
<td>A7</td>
<td>Surface Preparation for the Application of Protective Coatings on Sintakote®</td>
</tr>
<tr>
<td>E5</td>
<td>Epoxy Mastic, Polyurethane Top Coat on Sintakote®</td>
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</tbody>
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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.

L2 - Heat Shrink Sleeve Requirements

Note:
The exposed Heat Shrink wrapping material shall be protected from UV radiation with the application of Canusa® UNILEN 936 UV®.

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.
COATING SPECIFICATION

ABOVE GROUND TO BELOW GROUND TRANSITIONAL AREA AND CONCRETE ENCASEMENT COATING PROCEDURE

COATING SPECIFICATION: M1

Bare Steel Coating:
1. Surface Preparation Spec: A1
2. Coating Spec: C2
3. Top coat colour, refer Water Corp. Dwg. No. EG-71-1-1 Rev E.

Transition area is Sintakoted®
Apply coating Specs: A7 & E5

Exposed Heat Shrink wrapping material shall be protected from UV radiation with application of UNILEN 936 UV.

Weld Joint-Heat Shranked
[Refer: Water Corp. Wrapping Procedure L2]

Notes:
[1]. This treatment is only intended for steel pipe where the Sintakote® coating has been stripped to facilitate welding.
[2]. Encasement of straight length Sintakote® pipe in concrete is acceptable.

Figure 1 – Coating procedure for above ground to below ground transitional area and concrete encased pipeline.