

COATING SPECIFICATION

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

COATING SPECIFICATION: M1

Issue: 4

Date: OCTOBER 2022

1.0 SCOPE

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

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

The recommended Water Corporation specifications referred to in this document are as follows:

A1 -	Surface Preparation for the Application of Protective Coatings on Steel or Cast Iron
C2 -	Zinc Rich Epoxy Primer, Epoxy Mastic Coat, Polyurethane Top Coat on Steel or Cast Iron

A7 -	Surface Preparation for the Application of Protective Coatings on Sintakote[®]
E5 -	Epoxy Mastic, Polyurethane Top Coat on Sintakote[®]

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
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Note:

The exposed Heat Shrink wrapping material at the ground level transition point shall be protected from UV radiation using the Visco-elastic tape system.

Refer to 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.

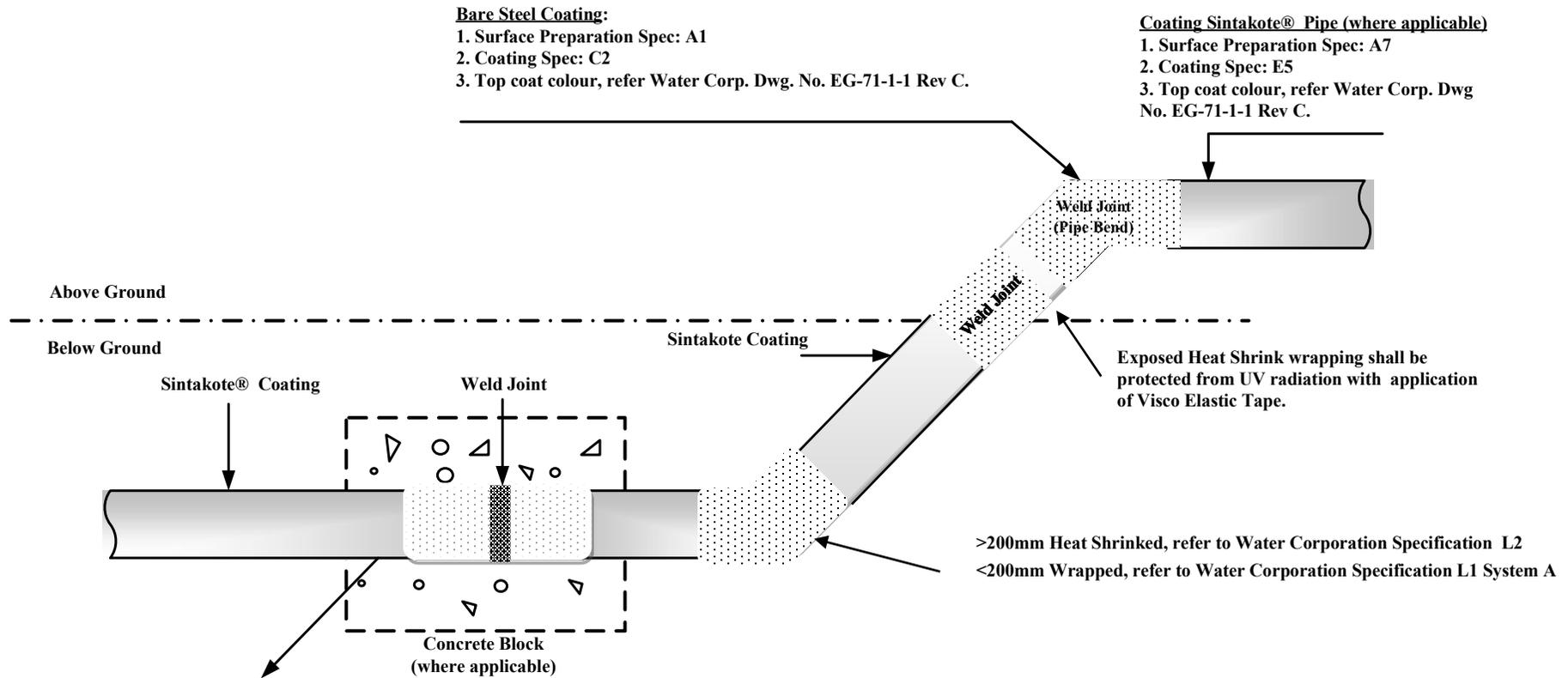
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If and when Sintakote® section is covered by concrete pour, then that section shall be whip blast cleaned. This is to ensure bonding of the concrete over the Sintakote® (where applicable).

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.

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ENCASEMENT COATING PROCEDURE**

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Document Revision History

Sect	Ver / Rev	Date	Revision Description	RVWD	APROV
1	1/0	13/09/22	Change material from Unilen 936 UV to Visco tape (Specification L3)	AO	SS
1	1/0	13/09/22	Clarify use of Heat Shrinked and Wrapping system for elbow	AO	SS

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