
**SURFACE PREPARATION FOR THE APPLICATION OF PROTECTIVE
COATING ON PLASTICS**

SPECIFICATION: A6

ISSUE: 4

DATE: NOVEMBER 2022

1.0 SCOPE

The scope of this coating specification applies to operations required for the surface preparation of plastics.

Refer Design Standard, DS 95 (Standard for the Selection, Preparation, Application, Inspection and Testing of Protective Coatings on Water Corporation Assets) for details.

2.0 PURPOSE

The purpose of this coating specification is to prepare a plastic substrate for the application of a protective coating against Ultra Violet (UV) rays damage.

3.0 DEFINITIONS

ACA: Australasian Corrosion Association.

Contractor: The service provider or its sub-contractor who will undertake the works.

Corporation: The Water Corporation and the Principal for the purposes of externally contracted asset delivery.

ITP: The detailed Inspection and Test Plan(s) for the Works.

NACE: means National Association of Corrosion Engineers.

Superintendent: The Superintendent for the contract, as defined in the conditions of the contract, who is appointed by the Water Corporation to manage/oversee the work under the contract on behalf of the Water Corporation.

Works: The surface preparation, coating application and inspection to be undertaken by the contractor to which this coating specification applies.

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4.0 GENERAL

- 4.1 The Contractor shall supply all necessary plant, equipment, materials and labour, prepare the surface and apply and maintain the protective coating in accordance with this specification.
- 4.2 Work shall only be carried out by a competent person.
- 4.3 Surfaces to be coated which will become inaccessible after assembly or erection shall be cleaned and painted before they become inaccessible.

5.0 ATMOSPHERIC CONDITIONS

- 5.1 Prior to coating application, the contractor shall keep detailed records and reports covering all environmental conditions and on-site tests carried out on the surfaces to be coated.
- 5.2 This report shall include details of prevailing weather conditions, including general weather observations during the preparation process.

6.0 SURFACE PREPARATION

- 6.1 Plastic (e.g., PVC) pipes and fittings need to be clean and dry. If dirty, a wash down with water should suffice. If there is oil on the pipe and fittings, then a commercial diluted detergent or other approved method should be used.
- 6.2 Coating shall not be applied to surfaces, which have become contaminated or deteriorated after cleaning.
- 6.3 Surfaces not required to be coated shall be protected with masking materials, which shall be completely removed by the Contractor after completion of the work.

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7.0 INSPECTION

- 7.1 Materials and methods used shall be subject to inspection and acceptance by the Superintendent (or nominated delegate) prior to commencement of any work.
- 7.2 The Contractor shall give the Superintendent (or nominated delegate) adequate prior notice as to when and where the surface preparation and coating operations will be conducted and facilitate all specified inspections.
- 7.3 If recognised as a hold point in the ITP, then coating application shall not be carried out until the Superintendent (or nominated delegate) has accepted the surface preparation.

8.0 CONTRACTOR'S RESPONSIBILITY

- 8.1 The Contractor shall supply all necessary plant, equipment, materials and labour, prepare the surface and apply and maintain the protective coating in accordance with this specification.
- 8.2 An Inspection Test Plan (ITP) shall be forwarded to the Water Corporation for review a minimum of ten working days prior to the commencement of work.
- 8.3 A list of all items to be inspected and the relevant drawing reference shall be forwarded to the Water Corporation Coating Inspector prior to the inspection being undertaken.
- 8.2 The preceding inspection clauses shall not relieve the Contractor of their responsibility to supply materials and perform work in accordance with the requirements of any overriding contract documentation.

Document Revision History					
Sect	Issue	Date	Revision Description	RVWD	APROV
4	3	17/11/2022	Amend definitions	AO	SS

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