

Superseded

**Technical Specification**

**Transport and Main Roads Specifications  
MRTS83 Anti-Graffiti Protection**

**July 2017**

Superseded

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## 1 Introduction

This Technical Specification applies to the supply and application of anti-graffiti protection to roadwork and bridgework structures.

This Technical Specification shall be read in conjunction with MRTS01 *Introduction to Technical Specifications*, MRTS50 *Specific Quality System Requirements* and other Technical Specifications, as appropriate.

This Technical Specification forms part of the Transport and Main Roads Specifications Manual.

## 2 Definition of terms

The terms used in this Technical Specification shall be as defined in Clause 2 of MRTS01 *Introduction to Technical Specifications*.

## 3 Referenced documents

Table 3 lists documents referenced in this Technical Specification.

**Table 3 – Referenced documents**

Reference	Title
MRTS01	<i>Introduction to Technical Specifications</i>
MRTS50	<i>Specific Quality System Requirements</i>
P-144/1	<i>Australian Paint Approval Scheme Specification</i>

## 4 Quality system requirements

### 4.1 Hold Points, Witness Points and Milestones

General requirements for Hold Points, Witness Points and Milestones are specified in Clause 5.2 of MRTS01 *Introduction to Technical Specifications*.

The Hold Points, Witness Points and Milestones applicable to this Technical Specification are summarised in Table 4.1.

**Table 4.1 – Hold Points, Witness Points and Milestones**

Clause	Hold Point	Witness Point	Milestone
5.2	1. Approval of coating		Submission of proposed coating specifications (14 days)
6.3		1. Application of coating	

## 5 Material

All anti-graffiti coatings shall be clear in colour. Products which exhibit yellowing with age shall not be used.

### 5.1 Non-sacrificial coating

Non-sacrificial anti-graffiti protection coating shall be a clear single or two-part exterior anti-graffiti coating approved under the *Australian Paint Approval Scheme, Specification No. P-144/1*.

## **5.2 Sacrificial coating**

Sacrificial anti-graffiti protection coating shall be a clear exterior coating approved under the *Australian Paint Approval Scheme, Specification No. P-144/1*.

Details of proposed products with full technical data sheets shall be submitted to the Administrator for approval at least 14 days prior to application. **Milestone**

Proposed products shall not be used until they have been approved by the Administrator.

### **Hold Point 1**

## **6 Application**

### **6.1 Areas to be coated**

The areas to be treated with anti-graffiti protection coating under the Contract are stated in Clause 1 of Annexure MRTS83.1.

### **6.2 Surface preparation**

Concrete surfaces to which anti-graffiti protection coating is to be applied shall first be cleaned of all foreign matter and markings.

### **6.3 Application of coating**

On new concrete, the Contractor shall be responsible for maintaining a clean surface or restoring the surface to an as-constructed condition prior to application of the coating. It is recommended that the anti-graffiti treatment be applied soon after the concrete surface has been constructed.

Following surface preparation, the anti-graffiti protection coating shall be applied by experienced applicators in accordance with the manufacturer's recommendations. The minimum application rate shall be 100 mL/m<sup>2</sup> for off-form concrete. Heavy run down or streaking shall not occur.

Application of anti-graffiti coating shall be a Witness Point. **Witness Point 1**

## **7 Alternative coatings**

The Contractor may submit alternative coatings for approval.

The following accepted alternate procedures shall be followed:

- a) concrete test panels no smaller than 600 mm x 600 mm coated with the proposed anti-graffiti paint shall be submitted to the Administrator
- b) graffiti shall be applied to the test panels by the Administrator
- c) after the graffiti has been applied for seven days, the Contractor shall demonstrate the removal of the graffiti
- d) removal of the graffiti from the test panel shall be by hot water, and
- e) non-sacrificial coats shall undergo four applications of graffiti and four subsequent removal processes.

## **8 Supplementary requirements**

The requirements of this Technical Specification shall vary in accordance with the supplementary requirements provided in Clause 2 of Annexure MRTS83.1.

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