

# Main Roads Technical Standard

## **MRTS83**

## **Anti-Graffiti Protection**

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# Anti-Graffiti Protection

## 1 INTRODUCTION

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

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

This Technical Standard forms part of the Main Roads Specifications and Technical Standards Manual.

## 2 DEFINITION OF TERMS

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

## 3 REFERENCED DOCUMENTS

Table 3 lists documents referenced in this Technical Standard.

**Table 3 – Referenced Documents**

Reference	Title
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 Standards*.

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

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

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

## 5 MATERIAL

### 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.

### 5.3 General

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

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**

## 7 ALTERNATIVE COATINGS

The Contractor may submit alternative coatings for approval.

The following acceptance procedure 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 7 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 be subjected to four applications of graffiti and four removal processes.

## 8 SUPPLEMENTARY REQUIREMENTS

The requirements of MRTS83 *Anti-Graffiti Protection* are varied by the Supplementary requirements given in Clause 2 of Annexure MRTS83.1.