

Superseded

**Technical Specification**

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

**November 2019**

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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*.

In addition, terms listed in Table 2 are applicable to this Technical Specification.

**Table 2 – Definition of terms**

Term	Definition
Anti-graffiti protection coating	A coating that prevents graffiti paint bonding to substrates
Non-sacrificial anti-graffiti protection coating	Permanent protection against graffiti paint
Sacrificial anti-graffiti protection coating	Non-permanent (temporary) protection against graffiti paint

## 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>
1441	<i>Australian Paint Approval Scheme Specification, Permanent Graffiti Barrier</i>
1442	<i>Australian Paint Approval Scheme Specification, Temporary Graffiti Barrier</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
6.4		1. Application of coating	

## 5 Materials

### 5.1 General

All anti-graffiti protection coatings shall be clear in colour.

### 5.2 Registered suppliers and proprietary products

Work Operations that require the use of registered suppliers and proprietary products are listed in Table 5.2.

**Table 5.2 - Items requiring use of registered suppliers and proprietary products**

Clause	Category of Work
5.3 and 6	Application of non-sacrificial (permanent) anti-graffiti protection coating
5.4 and 6	Application of sacrificial (non-permanent) anti-graffiti protection coating

Clauses 1 and 2 of Annexure MRTS83.1 list the registered proprietary products to be used for the project.

Registered suppliers and proprietary products are listed in Transport and Mains Roads *Product Index for Bridges and Other Structures*. Access this document via <https://www.tmr.qld.gov.au/business-industry/Business-with-us/Approved-products-and-suppliers/Bridges-and-other-structures-approved-products-and-suppliers>.

### 5.3 Non-sacrificial (permanent) coating

Non-sacrificial (permanent) 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. 1441*.

Clause 1 of Annexure MRTS83.1 lists the registered products to be used for the project.

### 5.4 Sacrificial (non-permanent) coating

Sacrificial (non-permanent) anti-graffiti protection coating shall be a clear exterior coating approved under the *Australian Paint Approval Scheme, Specification No. 1442*.

Clause 2 of Annexure MRTS83.1 lists the registered products to be used for the project.

## 6 Application

### 6.1 General

Anti-graffiti protection coating shall be a registered product in accordance with Clause 5 and applied in accordance with the manufacturer's specifications / recommendations.

Products which exhibit yellowing with age shall not be used.

### 6.2 Areas to be coated

The areas to be treated with anti-graffiti protection coating under the Contract are stated in Clause 3 of Annexure MRTS83.1.

### 6.3 Surface preparation

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

#### **6.4 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 specifications / 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 Supplementary requirements**

The requirements of this Technical Specification shall vary in accordance with the supplementary requirements provided in Clause 4 of Annexure MRTS83.1.

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