

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/m² 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.

