

# TRANSPORT FOR NSW (TfNSW)

## QA SPECIFICATION 3263

### HOT POURED ELASTOMERIC JOINT SEALANT FOR ROADS

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#### REVISION REGISTER

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Ed 3/Rev 1	Global	References to "Roads and Maritime Services" or "RMS" changed to "Transport for NSW" or "TfNSW" respectively.	DCS	22.06.20





# HOT Poured ELASTOMERIC JOINT SEALANT FOR ROADS

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VERSION FOR: DATE:
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## FOREWORD

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### REVISIONS TO PREVIOUS VERSION

This document has been revised from Specification TfNSW 3263 Edition 3 Revision 0.

All revisions to the previous version (other than minor editorial and project specific changes) are indicated by a vertical line in the margin as shown here, except when it is a new edition and the text has been extensively rewritten.

### PROJECT SPECIFIC CHANGES

Any project specific changes are indicated in the following manner:

- (a) Text which is additional to the base document and which is included in the Specification is shown in bold italics e.g. ***Additional Text***.
- (b) Text which has been deleted from the base document and which is not included in the Specification is shown struck out e.g. ~~Deleted Text~~.

## TfNSW QA SPECIFICATION 3263

### HOT POURED ELASTOMERIC JOINT SEALANT FOR ROADS

#### 1 SCOPE

This Specification sets out the requirements for hot poured elastic joint sealants for use in concrete and asphalt pavements to guard against the penetration of water and foreign matter.

Note 1 Hot poured joint sealants which meet the requirements of this Specification may require the use of a primer on concrete surfaces.

#### 2 STRUCTURE OF THE SPECIFICATION

This Specification includes a series of annexures that detail additional requirements.

##### 2.1 (NOT USED)

##### 2.2 SCHEDULE OF IDENTIFIED RECORDS

The records listed in Annexure 3263/C are **Identified Records** for the purposes of Specification TfNSW Q Annexure Q/E.

##### 2.3 (NOT USED)

##### 2.4 REFERENCED DOCUMENTS AND DEFINITIONS

Unless specified otherwise or is specifically supplied by the TfNSW, the applicable issue of a referenced document, is the issue current at the date one week before the closing date for tenders, or where no issue is current at that date, the most recent issue.

Standards, specifications and test methods are referred to in abbreviated form (e.g. AS2439.1). For convenience, the full titles are given in Annexure 3263/M.

The term “the Supplier” means the supplier of the product covered by the scope of this Specification.

#### 3 SUPPLIER’S QUALITY MANAGEMENT SYSTEM

The Supplier must establish and maintain a Quality Management System complying with AS/NZS ISO 9001 as a means of ensuring that the product conforms to this Specification.

Provide evidence verifying compliance with this Clause.

## 4 MATERIAL REQUIREMENTS

### 4.1 SAFETY

The material must contain no known compound which, when handled according to approved road making practice and within the temperature range recommended by the manufacturer, will cause any worker to be exposed to any injurious substance above the legal limit concentration. A Safety Data Sheet will be supplied.

### 4.2 PHYSICAL PROPERTIES

Joint sealing materials must meet the requirements set out in Table 3263.1.

**Table 3263.1 Properties of Hot Poured Joint Sealants**

Test Reference	Test Description	Unit	Requirement
TfNSW T1171	Flow test	%	10 (maximum)
TfNSW T1179	Penetration	mm	13.0 (maximum)
ASTM D3407*; Section 8	Resilience	%	60 (minimum)
	Initial Indentation (P)	mm	$0.5 \leq P \leq 2.0$
TfNSW T1172	Tensile Bond Strength		
	Adhesion	mm <sup>2</sup>	250 max
	Cohesion (ruptures) (cavity)	mm <sup>2</sup> mm	40 max 6 max
TfNSW T1173	Heat Degradation	%	As TfNSW T1171 & TfNSW T1172 above
TfNSW T1181	Extensibility	%	500 (minimum)

\* TfNSW T1170 must be used for sample preparation

## 5 PRODUCT CERTIFICATION

Provide a certificate of conformity verifying that the joint sealing material complies with Table 3263.1, together with test results reported on approved endorsed test documents.

The certificate must relate only to the formulation on which the tests were carried out and must be valid for not more than three years. New certification will be required whenever a change in product formulation is made.

## 6 DETAILS OF CONSIGNMENT

Mark each container clearly and durably with the following information:

- (i) The name of the supplier;
- (ii) The trade name of the product;



- (iii) Product reference and identification number;
- (iv) Batch number or date of manufacture.

Provide a copy of the certificate of compliance and a Safety Data Sheet with each delivery.

**ANNEXURES 3263/A TO 3263/B – (NOT USED)****ANNEXURE 3263/C — SCHEDULE OF IDENTIFIED RECORDS**

Refer to Clause 2.2.

The records listed below are Identified Records for the purposes of TfNSW Q Annexure Q/E.

<b>Clause</b>	<b>Description of Identified Record</b>
5	Certificate of conformity verifying that the joint sealing material complies with this Specification, together with tests results reported on NATA endorsed test documents
6	Certificate of conformity, Materials Safety Data Sheet and Materials Data Sheet to be supplied with each delivery

**ANNEXURES 3263/D TO 3263/L – (NOT USED)****ANNEXURE 3263/M – REFERENCED DOCUMENTS**

Refer to Clause 2.4.

**TfNSW Specification**

TfNSW Q            Quality Management System

**TfNSW Test Methods**

TfNSW T1170        Preparation of Hot Poured Joint Sealing Compound for Test  
TfNSW T1171        Flow Properties of Hot Poured Joint Sealant  
TfNSW T1172        Tensile Bond Strength for Hot Poured Joint Sealant  
TfNSW T1173        Heat Degradation Test on Hot Poured Joint Sealing Compound  
TfNSW T1179        Penetration into Joint Sealant  
TfNSW T1181        Extension Test for Hot Poured Joint Sealant

**Australian Standard**

AS/NZS ISO 9001    Quality management systems – Requirements

**ASTM Standard**

ASTM D3407      Standard Methods of Testing Joint Sealants, Hot Poured, for Concrete and Asphalt Pavements