

## CERTIFICATE OF COMPLIANCE NZTA T/12:2013

**Applicator:** Type LB MRL Mini Mac 400, registration number C6UWS, Thermoplastic Applicator

**Owner:** Downers NZ Ltd  
133 Main South Road  
Green Island  
Dunedin 9018

**Test Description:** The pavement marking applicator as described by this certificate has been tested under the conditions described and found to comply with the relevant requirements of TNZ Specification NZTA T/12:2013.

**Test Conditions:** The scope of the TNZ T/12 Certification was as follows:  
1) Application of Extruded Flat Thermoplastic to Schedule One, with thickness in accordance with P/22:2006 and NZTA T12:2013.

**Test Identification:** The tests were carried out at the Downer NZ Ltd Depot, 645 Great South Road, Penrose on the 26th of June 2025.  
The Applicator Chassis Number is 23MT21.  
The material used for the tests was:  
Damar Extrusion Grade for Schedule One,

**Equipment Tested:**

Extrusion Head	MRL	400
Extruder	MRL	400
Temperature Controller	Antunes	3022
Compressor	Jenny Products	K-1 80Y4
Speedometer	Skip-Line	MST-14
Bead Guns	MRL	Air assisted x 6

**Applicator Speeds:**

	Line Width		
Schedule	100mm	150mm	200mm
One	3.21	2.23	2.12

**Special Notes:**

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## Schedule One

### Extruded Flat Thermoplastic in Accordance with P/22:2006

The markings when applied to flat electro-galvanised steel plates met all dimension and performance requirements as specified in NZTA P22: 2006 and NZTA T12: 2013

The values specified in TNZ P/22:2006 used for determination of compliance were as follows:

#### Gap Length Between Segments

Where gap is 3.0m or more  $\pm 300\text{mm}$

Where gap is less than 3.0m but greater than 1.0m  $\pm 150\text{mm}$

Where gap is 1.0m or less  $\pm 50\text{mm}$

#### Length of Segments

Where segment is longer than 5.0m  $\pm 150\text{mm}$

Where segment is shorter than 5.0m but longer than 1.0m  $\pm 75\text{mm}$

Where segment is 1.0m or shorter  $\pm 50\text{mm}$

#### Thermoplastic Line Width

All line widths  $+10\% - 5\%$

#### Thermoplastic Height

New markings – asphalt 2.0 – 2.5mm

New markings – chipseal 2.0 – 3.0mm

#### Retroreflectivity

AS/NZS 2009 Potters Pristine Drop-On Glass Beads,

Applied uniformly at a minimum rate of 300 grams/m<sup>2</sup>

Reflectivity (dry – R): A minimum of 150 mcd/m<sup>2</sup>/lux.

Reflectivity (condition of wetness – RW): A minimum of 80 mcd/m<sup>2</sup>/lux.

#### Day Time Visibility

Minimum Qd of 100 mcd/m<sup>2</sup>/lux

#### Colour.

**White;** A discolouration of not more than 4/5 from colour Y35 of AS2007S

**Yellow;** A discolouration of not more than 4/5 from colour Y13 - Y14 of AS2007S

#### Skid Resistance

50 – 65 BPN



## CERTIFICATE OF COMPLIANCE NZTA T/12:2013



**Registration Details:** [NZRF Stamp & Unique Number]

6088

**Initial Certificate**

**Issuing Officer:**

**P Del Favero**

Downer NZ Ltd



**Testing Officer:**

**P Del Favero**

**Downer NZ Ltd**

**Signed:**



**Date of Expiry: 17th July 2026**

Downer NZ Ltd MM-400 June 2025

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Copied from the NZRF T 12 Register