

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:

Schedule	Line Width		
	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 P/22: 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/m²
Reflectivity (dry – R): A minimum of 150 mcd/m²/lux.
Reflectivity (condition of wetness – RW): A minimum of 80 mcd/m²/lux.

Day Time Visibility.

Minimum Qd of 100 mcd/m²/lux

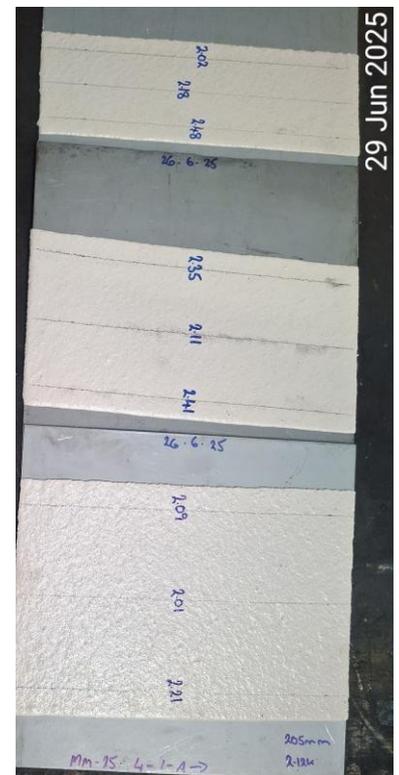
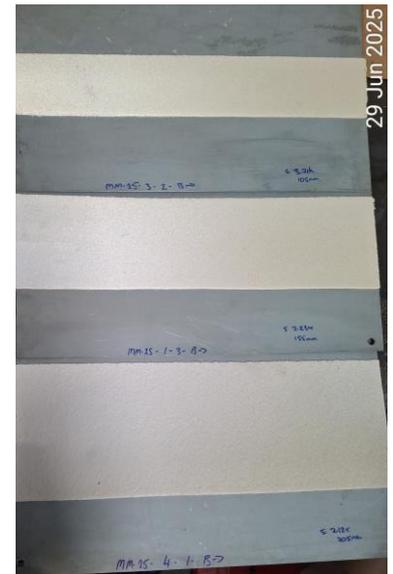
Colour.

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



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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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