

## CERTIFICATE OF COMPLIANCE NZTA T/12:2013

**Applicator:** Type LB Mac Striper Mini Mac 600, registration number UB5372, Thermoplastic Applicator

**Owner:** Downers NZ Ltd  
Private Bag 14925  
Pamure 1741  
Auckland

**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 Entry Qualification was as follows:  
1)Application of Extruded Flat Thermoplastic to Schedule One, with thickness in accordance with P/22:2006.

**Test Identification:** The tests were carried out at the Downer NZ Ltd Depot, 645 Great South Road, Penrose on the 1st of May 2023.  
The Applicator Chassis Number is 6005.  
The material used for the tests was:  
Ennis Premium Extrusion Grade for Schedule One,

**Equipment Tested:**

Extrusion Head	Minimac	UB5372 A
Extruder	Minimac 600	6005
Temperature Controller	Carel	
Compressor	Atlas Copco	269742
Speedometer	Roadmark 3	UB537A
Bead Guns	Graco 1 and Kadcam 2	

**Applicator Speeds:**

Schedule	Line Width		
	100mm	150mm	200mm
One	3.4	3.0	2.8

**Special Notes:**

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## NZTA T/12:2013

### 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 TNZ P22: 2006 Specification for Reflectorised Pavement Marking.

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

Glass beads applied uniformly at a minimum rate of 320 grams/m<sup>2</sup>.

Bead application even with correct embedment

#### Skid Resistance

50 – 65 BPN



Downer NZ Ltd Mini Mac UB5372 May 2023

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

**Initial Certificate**

**Issuing Officer:** R J Ridings  
Quality Surveillance Ltd

**Testing Officer:** P Del Favero  
Downer NZ Ltd

**Signed:**



**Date of Expiry:** 1st May 2024

Downer NZ Ltd Mini Mac UB5372 May 2023