

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 October, 2019.
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 1,2 and 3	

Applicator Speeds:

Schedule	Line Width			
	100mm	150mm	200mm	300mm
One		3.9		

Special Notes: The applicator is not capable of applying turn arrows.

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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 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 275 grams/m²

Bead application even with correct embedment

Skid Resistance

50 – 65 BPN



Downer NZ Ltd Mini Mac UB5372 October 2019

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NZTA T/12:2013



PN:116075

19:41 OCT/ 1/2019

Registration Details: [NZRF Stamp & Unique Number]

5025

Initial Certificate Issuing Officer: **P J Ridings**
Quality Surveillance Ltd

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

Signed:

Date of Expiry: **1st October 2020**

 The New Zealand
Roadmarkers
Federation Inc
PO Box 13 699, Auckland
Phone: (09) 825 7470

Downer NZ Ltd Mini Mac UB5372 October 2019