

CERTIFICATE OF COMPLIANCE TNZ T/12:2003

- Applicator:** Mac Striper Mini Mac 600, registration number UB5372, Thermoplastic Applicator
- Owner:** Downer EDI Works - ITS
PO Box 12-934
Penrose
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 TNZ T/12:2003.
- 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 Integrated Traffic Solutions Depot at 56 - 60 Carbine Road, Mt Wellington on 13th April 2010.
The Applicator Chassis Number is 6005.
The material used for the tests was:
Britesite Extrusion grade for Schedule One,
- Equipment Tested:**
- | | | |
|------------------------|---------------|-------------------|
| Extrusion Heads | Minimac | UB5372A,B C and D |
| Extruder | Minimac 600 | 6005 |
| Temperature Controller | Minimac | 6005 |
| Compressor | Atlas Copco | 269742 |
| Speedometer | Roadmark | UB537A |
| Bead Guns | Minimac (SMC) | Minimac 1-4 |
- Applicator Speeds:**
- | Schedule | Line Width | | | |
|----------|------------|-------|-------|-------|
| | 100mm | 150mm | 200mm | 300mm |
| One | 3.9 | 3.3 | 2.65 | 2.4 |
- Special Notes:** The applicator is not capable of applying turn arrows.

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Schedule One

Extruded Flat Thermoplastic in Accordance with P/22:2003

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 $\pm 15\text{mm}$

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

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Registration Details: [NZRF Stamp & Unique Number]

5111

 The New Zealand
Roadmarkers
Federation Inc
PO Box 13 605, Auckland
Phone: (09) 625 7470 • Fax: 09 625 2830

Initial Certificate

Issuing Officer: R J Ridings
Quality Surveillance Ltd

Testing Officer: P Del Favero
Integrated Traffic Solutions

Signed:



Date of Expiry: 15 April 2011

Downer EDI Works - ITS Mini Mac UB5372 2010