

CERTIFICATE OF COMPLIANCE NZTA T/12:2013

Applicator: 2016 Borum Master 5000 CAP
Applicator, NZTA registration number LEF291

Applicator Type: LA CAP

Owner: Combined Road and Traffic Services Ltd
20 Katoro Drive, Eastgate Business Park
PO Box 7013, Te Ngae, Rotorua 3042

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 Certification was as follows:
1) Application of Audio Tactile Markings to Schedule Two, Cold Applied Plastic Audiotactile, in accordance with NZTA M/24:2006, NZTA P30:2008 and NZTA T12:2013.

Test Identification: The tests were carried out at the Fulton Hogan Depot at Fairfield Dunedin, and on site SH8a intersection Lane Rd and Luggate-Tarras Rd. The last day of testing was on March 28th 2018. The Applicator Chassis Number is SC18FMG406130074U. The test materials that were used:

- Damar CAP
- Potters Plastic Drop On Beads

Equipment Tested:

ATP Spread Box	Borum
Speedometer	Borum Linemaster
Bead Gun	Borum BMC30

Applicator Speed (kph):	Line Width
Schedule Two	200mm
	3.0

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Schedule Two

Cold Applied Plastic Audio Tactile, in Accordance with NZTA M24: 2006, NZTA P/30:2008 and T/12:2013

The markings when applied to flat electro-galvanised steel plates meet all dimension and performance requirements as specified in:

NZTA M24: 2006 Specification for Audio Tactile Profiled Roadmarkings,
NZTA P30:2008 Specification for High Performance Roadmarkings and
NZTA T/12:2013 Specification for Long-Life Pavement Marking Material Applicator Testing.

The values specified in NZTA M/24, NZTA P/30 2008 and NZTA T/12:2013 used for determination of compliance were as follows.

Thermoplastic Line Width

All line widths +10% - 5%

Thermoplastic Base Height

N/A Profile Blocks only

Raised Blocks

Spacing between blocks +5% - 5% of specified value (250mm)

Length of block +30% - 20% of specified value (50mm)

Width of block +30% - 20% of specified value (200mm)

Block height -5% +15% of specified value (9.0mm)

Retroreflectivity

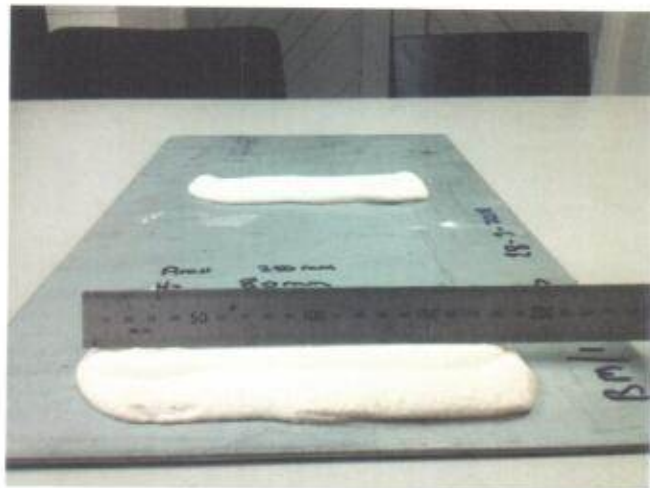
Potters Pristine AS/NZS 2009 Type B Drop On Glass beads applied uniformly at a minimum rate of 275 grams/m²

Reflectivity (dry - R): A minimum of 150 mcd/m² /lux.

Reflectivity (condition of wetness - RW): A minimum of 80 mcd/m² /lux.

Skid Resistance

Not Applicable



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Registration Details: {NZRF Stamp & Unique Number}

Initial Certificate Issuing Officer: P Del Favero
Downer NZ Ltd

Testing Officer: P Del Favero
Downer NZ Ltd

Date of Expiry: 28th March 2019

Signed:

