

CERTIFICATE OF COMPLIANCE NZTA T 12:2012

Applicator: 2013 Hino FC / Kadcam Type LA
CAP Stripper, registration number
GTL361

Owner: Fulton Hogan Ltd,
T/A Coastline Markers
PO Box 302-528
North Harbour
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/12:2012.**

Test Conditions: The scope of the Certification was as follows:
 1) Application of Agglomerate Cold Applied Plastic to Schedule One, Agglomerate Cold Applied Plastic in Accordance with CML Technical Specification, NZTA P/30:2008 and NZTA T 12:2012
 2) Application of Audio Tactile Markings to Schedule Two, Agglomerate Flat Cold Applied Plastic and Cold Applied Plastic Audio-Tactile in Accordance with NZTA M 24:2006, NZTA P/30:2008, and NZTA T 12:2012

Test Identification: The tests were carried out at the Coastline Markers Test Site at Albany on the 17th January 2020
 The Applicator Chassis Number is JHDFD8JLKXXX12646.
 The material used for the tests was:
 Damar Baseplast 211 for all Schedules
 Potters Primline AC-07 Drop-on Glass Beads (AS/NZS 2009) for all Schedules.

Equipment Tested:

CAP Feed pump	Kadcam	1269
CAP 100mm Box	Kadcam	1269/100
CAP 150mm Box	Kadcam	1269/150
CAP 200mm Box	Kadcam	1269/200
CAP Structure Unit	Kadcam	1269
Compressor	Fusheng TA80	1269
Speedometer	CML	1269
Bead Guns	Fulton Hogan Cone	

Applicator Speeds (kph):

Schedule	Line Width		
	100mm	150mm	200mm
One		1.04	
Two		1.65	
Three		1.09	

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NZTA T 12:2012

Schedule One

Agglomerate Flat Cold Applied Plastic in Accordance with CML Technical Specification, NZTA P 30:2008, and NZTA T 12:2003

The markings when applied to flat electro-galvanised steel plates met all dimension and performance requirements as specified in NZTA P 30: 2008 Specification for High Performance Roadmarkings.

The values specified in NZTA P 30:2008 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 $\pm 50\text{mm}$

Cold Applied Plastic Line Width

All line widths $+10\% - 5\%$

Agglomerate Cold Applied Plastic

Material application rate of $2.5 \pm 0.2 \text{ kg/m}^2$, with coverage between 55 and 75%, and line appearing continuous when sitting in a passenger car

Retroreflectivity

AS/NZS 2009 Class B (drop-on) glass beads applied uniformly at a minimum rate of 275 grams/m²

1. Reflectivity (dry - R): A minimum of 150 mcd/m²/lux.
2. Reflectivity (condition of wetness - RW): A minimum of 80 mcd/m²/lux.

Skid Resistance

Greater than 50 BPN but less than 65BPN



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Schedule Two

Cold Applied Plastic Audio-Tactile tested at 250 and 500 pitch in Accordance with CML Technical Specification, NZTA M 24:2006, NZTA P 30:2008, and NZTA T 12:2013

The markings when applied to flat electro-galvanised steel plates met all dimension and performance requirements as specified in NZTA M 24:2006 Specification for Audio Tactile Profiled Roadmarkings, NZTA P 30:2008 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 and NZTA T 12 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 $\pm 50\text{mm}$

Raised Blocks

- Spacing between blocks +5% -5% of specified value (250mm)
- Spacing between blocks +5% -5% of specified value (500mm)
- Length of block +30% -20% of specified value (50mm)
- Width of block +10% -5% of specified value (150mm)
- Block height +15% -5% of specified value (8.0mm)

Retroreflectivity

AS/NZS 2009 Class B (drop-on) glass beads applied uniformly at a minimum rate of 275 grams/m²

1. Reflectivity (dry - R): A minimum of 150 mcd/m²/lux.
2. Reflectivity (condition of wetness - RW): A minimum of 80 mcd/m²/lux.

Skid Resistance

Not Applicable



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Schedule Three

Agglomerate Flat Cold Applied Plastic and Cold Applied Plastic Audio-Tactile tested at 250 and 500 pitch in Accordance with NZTA M 24:2006, NZTA P 30:2008, and NZTA T 12:2003

The markings when applied to flat electro-galvanised steel plates met all dimension and performance requirements as specified in NZTA M 24:2006 Specification for Audio Tactile Profiled Roadmarkings, NZTA P 30:2008 Specification for High Performance Roadmarkings and NZTA T 12: 2012 Specification for Long-Life Pavement Marking Material Applicator Testing.

The values specified in NZTA M 24, NZTA P 30 and NZTA T 12 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 $\pm 50\text{mm}$

Raised Blocks

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

Spacing between blocks $+5\%$ -5% of specified value (500mm)

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

Width of block $+10\%$ -5% of specified value (150mm)

Block height $+15\%$ -5% of specified value (8.0mm)

ATP height $+15\%$ -5% of specified value (10.0mm)

Agglomerate Cold Applied Plastic

Material application rate of $2.5 \pm 0.2 \text{ kg/m}^2$, with coverage between 55 and 75%, and line appearing continuous when sitting in a passenger car

Retroreflectivity

AS/NZS 2009 Class B (drop-on) glass beads applied uniformly at a minimum rate of 275 grams/m²

1. Reflectivity (dry - R): A minimum of 150 mcd/m²/lux.
2. Reflectivity (condition of wetness - RW): A minimum of 80 mcd/m²/lux.

Skid Resistance

Greater than 50 BPN but less than 65BPN



CERTIFICATE OF COMPLIANCE
NZTA T 12:2012

Registration Details: [NZRF Stamp & Unique Number]

5029



Initial Certificate

Issuing Officer:

R J Ridings
Quality Surveillance Ltd

Testing Officer:

Lance Wright
Fulton Hogan Ltd T/A Coastline Markers

Signed:



Date of Expiry:

13th January 2021

From NZRF T 12 Register