CERTIFICATE OF COMPLIANCE
NZTA T 12:2012

Applicator: 2019 Hino FC/
Kadcam Type LA CAP
Striper, Registration number
LYD324

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 ATP to Schedule One Audio Tactile Markings
2) Application of Agglomerate Cold Applied Plastic to Schedule Two, Agglomerate Cold Applied Plastic in Accordance with CML Technical Specification, NZTA P 30:2008 and NZTA T 12:2012
   Tested at: 150mm/250 pitch.
3) Application of Agglomerate Flat Cold Applied Plastic and Cold Applied Plastic Audio Tactile Markings to Schedule Three in Accordance with NZTA M 24:2006, NZTA P/30:2008, and NZTA T 12:2012
   Tested at: 150mm/500 pitch.

Test Identification: The tests were carried out the Mitre 10 Mega carpark in Albany on the 15th and 16th August 2023
The Applicator Chassis Number is JHDFC7JJMXXX10563
The material used for the tests was:
Damar Cold Applied Plastic (CAP) Structure/ ATP for all schedules.
Potters Pristine type B AC-07 Drop-on Glass Beads (AS/NZS 2009) for all Schedules.

Equipment Tested:

CAP Feed pump	Kadcam	1901
CAP 150mm Box	Kadcam	1901/150
CAP Structure Unit	Kadcam	1901
Compressor	Fusheng TA80	EA7170906
Speedometer	Novo- Mega Trends	TREK773
Bead Guns	FH Boot guns	

Applicator Speeds (kph):

	Line Width		
Schedule	**100mm**	**150mm**	**200mm**
One		1.52	
Two		1.63	
Three		1.54	

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Schedule One

Cold Applied Plastic Audio-Tactile tested at 250 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 ± 300mm
Where gap is less than 3.0m but greater than 1.0m ± 150mm
Where gap is 1.0m or less ± 50mm

Length of Segments
Where segment is longer than 5.0m ± 150mm
Where segment is shorter than 5.0m but longer than 1.0m ±75mm
Where segment is 1.0m or shorter ± 50mm

Raised Blocks
Block height; + 15 %, – 5 % of the specified value. (9 mm)
Block width; + 30 %, – 20 % of the specified value (150mm)
Block length; + 30 %, – 20 % of the specified value (50mm)
Block pitch; + 5 %, - 5 % of the specified value. (250mm)

Retroreflectivity
AS/NZS 2009 Class B (drop-on) glass beads applied uniformly at a minimum rate of 275 grams/$m^{2.}$

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 Two

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 ± 300mm
Where gap is less than 3.0m but greater than 1.0m ± 150mm
Where gap is 1.0m or less ± 50mm

Length of Segments
Where segment is longer than 5.0m ± 150mm
Where segment is shorter than 5.0m but longer than 1.0m ±75mm
Where segment is 1.0m or shorter ± 50mm

Cold Applied Plastic Line Width
All line widths +10% - 5%

Agglomerate Cold Applied Plastic
1. Material application rate of 2.5kg/m² ± 10%
2. A coverage between 55% and 75%, and
3. 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/m$^{2.}$
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
50 BPN or greater for roadmarkings with a dry film thickness of 0.9 mm or greater

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Schedule Three

Agglomerate Flat Cold Applied Plastic and Cold Applied Plastic Audio-Tactile tested at 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.

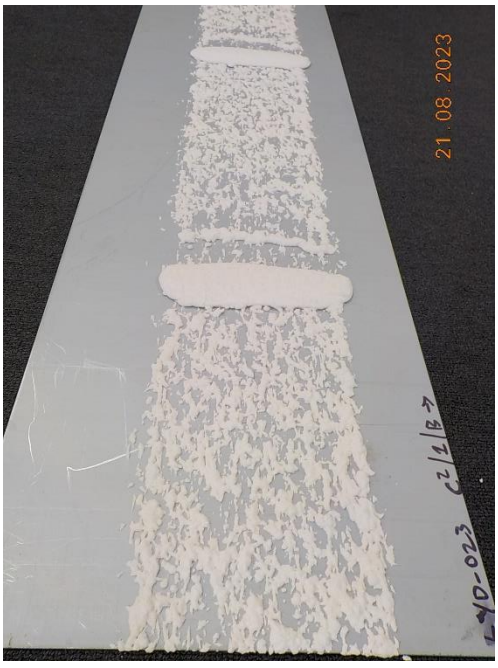
The values specified in NZTA M 24, NZTA P 30 and NZTA T 12 used for determination of compliance were as follows:

Gap Length Between Segments
Where gap is 3.0m or more ± 300mm
Where gap is less than 3.0m but greater than 1.0m ± 150mm
Where gap is 1.0m or less ± 50mm

Length of Segments
Where segment is longer than 5.0m ± 150mm
Where segment is shorter than 5.0m but longer than 1.0m ±75mm
Where segment is 1.0m or shorter ± 50mm

Raised Blocks
Block height; + 15 %, – 5 % of the specified value. (8 mm)
Block width; + 30 %, – 20 % of the specified value (150mm)
Block length; + 30 %, – 20 % of the specified value (50mm)
Block pitch; + 5 %, - 5 % of the specified value. (500mm)

Agglomerate Cold Applied Plastic
1. Material application rate of 2.5kg/m² ± 10%
2. A coverage between 55% and 75%, and
3. 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/m$^{2.}$
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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Registration Details: [NZRF Stamp & Unique Number]

5726 The New Zealand Roadmarkers Federation Inc PO Box 13 605, Auckland

Initial Certificate Testing Officer: Bruce Belton
Mark Roads Ltd

T/12 Testing Officer: Lance Wright
Fulton Hogan Ltd, T/A Coastline Markers

Signed:

Date of Expiry: **21st August 2024**