CERTIFICATE OF COMPLIANCE
NZTA T 12:2013

Applicator: 2013 Hino FC / Kadcam Type LA CAP Striper, 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/12:2013.**

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 30:2009 and NZTA T 12:2013

2) Application of Audio Tactile Markings to **Schedule Two,** Agglomerate Flat Cold Applied Plastic and Cold Applied Plastic Audio-Tactile in Accordance with NZTA M24:2006, NZTA P/30:2009, and NZTA T 12:2013
Tested at: 150mm/500 pitch.

3) Application of Audio Tactile Markings to **Schedule Three**, Cold Applied Plastic Audio Tactile in combination with Agglomerate Cold Applied Plastic, in accordance with Coastline Markers Technical Specification, NZTA M24:2006, NZTA P30:2009 and NZTA T12:2013.
Tested at: 150mm/250 pitch.

Test Identification: The tests were carried out at the Mitre 10 Mega carpark at Albany on the 15th August 2023.

The Applicator Chassis Number is JHDFD8JLKXXX12646.
The material used for the tests was:
Damar CAP Structure/ ATP for all Schedules

Potters Pristine AC-07 Class B drop-on coated Glass Beads (AS/NZS 2009) for all Schedules.

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Equipment Tested:

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

Applicator Speeds (kph):

	Line Width		
Schedule	**100mm**	**150mm**	**200mm**
One		1.44	
Two		1.68	
Three		1.43	

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Schedule One

Agglomerate Flat Cold Applied Plastic in Accordance with CML Technical Specification, NZTA P 30:2009, 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: 2009 Specification for High Performance Roadmarkings.

The values specified in NZTA P 30:2009 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
Greater than 50 BPN

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Schedule Two

Cold Applied Plastic Audio-Tactile tested at 250 pitch in Accordance with CML Technical Specification, NZTA M 24:2006, NZTA P 30:2009, 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 30:2009 Specification for High Performance Roadmarkings and NZTA T12:2013 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. (500mm)

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 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 30:2009, and NZTA T12:2013

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 30:2009 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. (9.0 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)

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
Greater than 50 BPN

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Registration Details: [NZRF Stamp & Unique Number}

5725 The New Zealand Roadmarkers Federation Inc PO Box 13 605, Auckland

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: **15th August 2024**