

## 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 B Audio Tactile Markings
- 2) Application of Agglomerate Cold Applied Plastic to Schedule C1, Agglomerate Cold Applied Plastic in Accordance with CML Technical Specification, NZTA P 30:2008 and NZTA T 12:2012
- 3) Application of Agglomerate Flat Cold Applied Plastic and Cold Applied Plastic Audio Tactile Markings to Schedule C2 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 16<sup>th</sup> January 2020  
The Applicator Chassis Number is JHDFC7JJMXXX10563  
The material used for the tests was:  
Danar Bascoplast 211 for all Schedules  
Gotters Pristine 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):**

Schedule	Line Width		
	100mm	150mm	200mm
B		1.68	
C1		1.71	
C2		1.64	

# CERTIFICATE OF COMPLIANCE

## NZTA T 12:2012

### Schedule B

#### 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/m<sup>2</sup>

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

#### Skid Resistance

Not Applicable



## CERTIFICATE OF COMPLIANCE NZTA T 12:2012

### Schedule C1

**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/m<sup>2</sup>

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

Skid Resistance

Greater than 50 BPN but less than 65BPN





## CERTIFICATE OF COMPLIANCE NZTA T 12:2012

### Schedule C2

**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  $275 \text{ grams/m}^2$

1. Reflectivity (dry - R): A minimum of  $150 \text{ mcd/m}^2/\text{lux}$ .
2. Reflectivity (condition of wetness - RW): A minimum of  $80 \text{ mcd/m}^2/\text{lux}$ .

Skid Resistance

Greater than 50 BPN but less than 65BPN

## CERTIFICATE OF COMPLIANCE NZTA T 12:2012

**Registration Details:** [NZRF Stamp & Unique Number]

5090



**Initial Certificate**

**Issuing Officer:** Bruce Belton  
Mark Roads Ltd

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

**Signed:**



**Date of Expiry:** 4<sup>th</sup> February 2021

From NZRF T 12 Register