

## CERTIFICATE OF COMPLIANCE NZTA T 12:2013

**Applicator:** 2016 Hofmann H18-1 Type LA  
Cold Applied Plastic Striper,  
Registration number B2ELP

**Owner:** Spray Marks NZ Ltd,  
PO Box 980  
Tauranga



**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. The expiry date of the previous T8 certificate 17<sup>th</sup> May 2019. (cert# 4701)

**Test Conditions:** The scope of the Certification was as follows:

- 1) Application of ATP to Schedule B, Audio Tactile Markings, in accordance with Spray Marks Technical Specification, and NZTA M24:2006
- 2) Application of Agglomerate Cold Applied Plastic (Hofmann Spotflex) to Schedule C, Agglomerate Cold Applied Plastic in accordance with Hofmann Technical Specification, NZTA P 30:2009 and NZTA T 12:2012,

**Test Identification:** The tests were carried out at the Spray Marks Test Site at Greerton on the 13<sup>th</sup> of September 2019.  
The Applicator Chassis Number is H18-1 192/0134.  
The Applicator registration number is B2ELP  
The material used for the tests was Damar CAP for all Schedules  
Potters Pristine AC-07 Drop-on Glass Beads (AS/NZS 2009) for all Schedules.

**Equipment Tested:**

Spotflex Extruder	Hofmann	192/0134
CAP Box 165mm	Hofmann	192/0134/165
Bead Applicator	Hofmann	20B
Compressor	Fusheng TA80	EA7170906
Speedometer	MALCON	1511AB037
Intermittent line devise	MALCON	1511AB037

**Applicator Speeds (kph):**

Schedule	Line Width 150mm
B	1.60 km/hr
C	4.8 km/hr

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**NZTA T 12:2013**

**Schedule B**

**Cold Applied Plastic Audio-Tactile tested at 250 and 500 pitch in Accordance with Spray Marks Technical Specification, NZTA P 24, 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  $\pm$  300mm
- Where gap is less than 3.0m but greater than 1.0m  $\pm$  150mm
- Where gap is 1.0m or less  $\pm$  50mm

Length of Segments

- Where segment is longer than 5.0m  $\pm$  150mm
- Where segment is shorter than 5.0m but longer than 1.0m  $\pm$  75mm
- Where segment is 1.0m or shorter  $\pm$  50mm

Raised Blocks

- Spacing between blocks +5% -5% of specified value (250mm & 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 (9.0mm)

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





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### Schedule C1

#### Agglomerate Flat Cold Applied Plastic in Accordance with Hofmann 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  $\pm$  300mm

Where gap is less than 3.0m but greater than 1.0m  $\pm$  150mm

Where gap is 1.0m or less  $\pm$  50mm

##### Length of Segments

Where segment is longer than 5.0m  $\pm$  150mm

Where segment is shorter than 5.0m but longer than 1.0m  $\pm$  75mm

Where segment is 1.0m or shorter  $\pm$  50mm

##### Cold Applied Plastic Line Width

All line widths +10% - 5%

##### Agglomerate Cold Applied Plastic

Material application rate of  $2.5 \pm 0.2$  kg/m<sup>2</sup>, 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 12:2013**

Registration Details: [NZRF Stamp & Unique Number]


5001



**Initial Certificate**

**Issuing Officer:** Alister Harlow  
New Zealand Roadmarkers Federation

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

Signed: 

**Date of Expiry:** 13<sup>th</sup> September 2020

