

CERTIFICATE OF COMPLIANCE NZTA T 12:2013

**Applicator:** 2016 Hofmann H18 CAP  
Registration # B2ELP

**Applicator Type:** LA Cold Applied Plastic

**Owner:** Spray Marks NZ Ltd  
P O Box 980  
Tauranga



**Test Description:** The long life pavement marking applicator described by this certificate has been tested under the conditions described and found to comply with the relevant requirements of NZTA Specification NZTA T12:2013

**Test Conditions:** The scope of the NZTA T12: 2013 recertification was as follows:

- Application of Agglomerate (Hofmann Spotflex) Cold Applied Plastic to Schedule One, Agglomerate Cold Applied Plastic, in accordance with Hofmann Technical Specification, NZTA P30:2008 and NZTA T12:2013.
- Application of Audio Tactile Markings to Schedule Two, Cold Applied Plastic Audio Tactile, in accordance with Hofmann Technical Specification NZTA M24:2006, NZTA P30:2008 and NZTA T12:2013.

**Test Identification:**

- The Registration plate of the tested unit is B2ELP and the Chassis number is H18-1 192/0134
- The tests were carried out in the carpark at Tauranga Stadium (with the owners consent) on the 17<sup>th</sup> of May 2018.
- The materials used for both tests were; Damar CAP – ARZO 1422 and Potters drop-on glass beads (AS/NZS 2009)

<b>Equipment Tested:</b>	Spotflex Extruder	Hofmann	192/0134
	165 mm CAP Box	Hofmann	192/0134/165
	Bead Applicator	Hofmann	20B
	Intermittent Line	Malcon	1511AB037
	Devise		
	Speedometer	Malcon	1511AB037

<b>Applicator Speeds:</b>	<b>150mm</b>
<b>Schedule One – Spotflex</b>	3.0 Km/hr
<b>Schedule Two A ATP 250 Centre</b>	2.8 Km/hr
<b>Schedule Two B ATP 500 Centre</b>	2.8 km/h

**Special Notes:** 1. The applicator is not capable of applying turn arrows.

**SCHEDULE ONE**

**Agglomerate (Hofmann Spotflex) Cold Applied Plastic, in accordance with Hofmann Technical Specification, NZTA P30:2008 and NZTA T12:2013.**

The markings when applied to flat electro-galvanised steel plates met all dimension and performance requirements as specified in;

NZTA P30:2009 Specification for High Performance Roadmarkings and

NZTA T12:2013 Specification for Long-Life Pavement Marking Material Applicator Testing

The values specified in NZTA P30:2009 and NZTA T12:2013 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 less than 1.0m;  $\pm 50\text{mm}$

**Length of segment.**

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 shorter than 1.0m;  $\pm 50\text{mm}$

**Line width.**

All line widths; + 10 %, - 5 % of the specified value. (150 mm)

**Structured (Agglomerate) Thermo Plastic.**

1. Minimum material application rate of  $2.7 \pm 0.2 \text{ kg/m}^2$  in accordance with Hofmann Spotflex® Technical Specifications
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  $275\text{gm/m}^2$ .

Dry retroreflectivity; a minimum of  $150 \text{ mcd/m}^2/\text{lux}$ .

Wet retroreflectivity; a minimum of  $80 \text{ mcd/m}^2/\text{lux}$

**Day Time Visibility.**

Minimum Qd of  $100 \text{ mcd/m}^2/\text{lux}$

**Colour.**

White; a discolouration of not more than 4/5 from colour Y35 of AS2007S

**Skid Resistance.**

50 BPN or greater for roadmarkings with a dry film thickness of 0.9 mm or greater





**SCHEDULE TWO**

**Audio Tactile Profile Markings with Cold Applied Plastic in accordance with NZTA M24:2006, NZTA P30:2008 and NZTA T12:2013**

The markings when applied to flat electro-galvanised steel plates met all dimension and performance requirements as specified in;

NZTA M24:2006 Specification for Audio Tactile Profiled Roadmarkings,

NZTA P30:2009 Specification for High Performance Roadmarkings and

NZTA T12:2013 Specification for Long-Life Pavement Marking Material Applicator Testing.

The values specified in NZTA M24:2006, NZTA P30:2009 and NZTA T12:2013 used for determination of compliance were as follows:

**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 & 50mm)

Block pitch; + 5 %, - 5 % of the specified value.

(250mm & 500mm)



**Retroreflectivity.**

AS/NZS 2009 Class B (drop-on) glass beads applied uniformly at a minimum rate of 275gm/m<sup>2</sup>.

Dry retroreflectivity; a minimum of 150 mcd/m<sup>2</sup>/lux.

Wet retroreflectivity; a minimum of 80 mcd/m<sup>2</sup>/lux



**Day Time Visibility**

Minimum Qd of 100 mcd/m<sup>2</sup>/lux

CERTIFICATE OF COMPLIANCE NZTA T 12:2013

Registration Details:

[NZRF Stamp & Unique Number]

4701



Initial Certificate Testing Officer:

Alister Harlow  
New Zealand Roadmarkers Federation

T/12 Testing Officer:

Bruce Belton  
Fulton Hogan Ltd 7/A Coastline Markers

Signed:

*Bj Belton*

Date of Expiry:

17<sup>th</sup> May 2019