

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 17th of May 2018.
- The materials used for both tests were; Damar CAP – ARZO 1422 and Potters drop-on glass beads (AS/NZS 2009)

Equipment Tested:	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

Applicator Speeds:	150mm
Schedule One – Spotflex	3.0 Km/hr
Schedule Two A ATP 250 Centre	2.8 Km/hr
Schedule Two B ATP 500 Centre	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 275gm/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 Q_d 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/m².

Dry retroreflectivity; a minimum of 150 mcd/m²/lux.

Wet retroreflectivity; a minimum of 80 mcd/m²/lux



Day Time Visibility

Minimum Qd of 100 mcd/m²/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:

17th May 2019