WAKA KOTAHI NZ TRANSPORT AGENCY

CERTIFICATE OF COMPLIANCE **NZTA T 12:2013**

Applicator: 2015 Hofmann H18-1, B2ELP
Operator Mounted, Type LA
Cold Applied Plastic Applicator.

Owner: Spray Marks NZ Ltd
10 Sherson Street, Gate Pa
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 Audio Tactile Markings to Schedule B, Cold Applied Plastic Audio Tactile, in accordance with NZTA M24:2006, NZTA P30:2008, NZTA T12:2013 and Spray Marks NZ Ltd Technical Specification.
- Application of Agglomerate Cold Applied Plastic to Schedule C, Agglomerate Cold Applied Plastic, in accordance with NZTA P30:2008, NZTA T12:2013 and Spray Marks NZ Ltd Technical Specification.
- Application of Spotflex Cold Applied Plastic to Schedule D, Agglomerate Cold Applied Plastic, in accordance with NZTA P30:2008, NZTA T12:2013 and Spray Marks NZ Ltd Technical Specification.

Test Identification:

- The Chassis number of the tested unit is 192/0134
- The tests were carried out at Spray Marks NZ Ltd depot at 22 Wilrose Place, Gate Pa, Tauranga on the 26 July 2022.
- The materials used for the tests were: Damar CAP Structure/ATP Two Component Cold Applied Plastic and Geveko B-HR Silane Coated Drop On glass beads.

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CERTIFICATE OF COMPLIANCE **NZTA T 12:2013**

Equipment Tested:	Spotflex Applicator	Hofmann	192/0134
	Screed Box	Hofmann	B2ELP-150
	Glass Bead Gun	Hofmann	B2ELP-20B
	Speedometer	Hofmann	B2ELP-5233
	Compressor	BOGE	B2ELP-SK36

Applicator Speeds:	**100mm**	**150mm**	**200mm**
Schedule B		2.9 km/h	
Schedule C		2.9 km/h	
Schedule D		3.0 Km/h	

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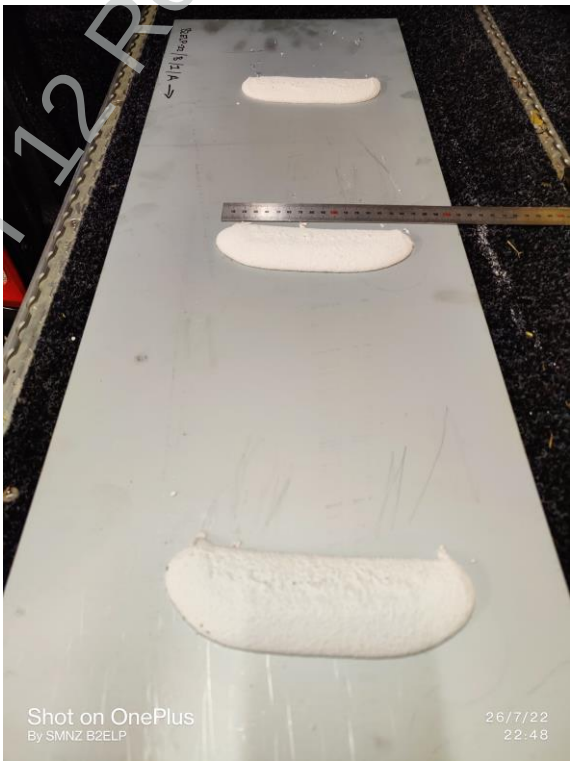
SCHEDULE B

Cold Applied Plastic Audio Tactile, in accordance with NZTA M24:2006, NZTA P30:2008, NZTA T12:2013 and Spray Marks NZ Ltd Technical Specification

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, (alternative dimensional tolerances)
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, 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; + 10 %, – 5 % of the specified value (150mm)
Block length; + 30 %, – 20 % of the specified value (50mm)
Block pitch; + 5 %, - 5 % of the specified value. (250mm)



Retroreflectivity.
AS/NZS 2009 Class B (drop-on) glass beads applied uniformly at a minimum rate of 375gm/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

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

Skid Resistance.
N/A

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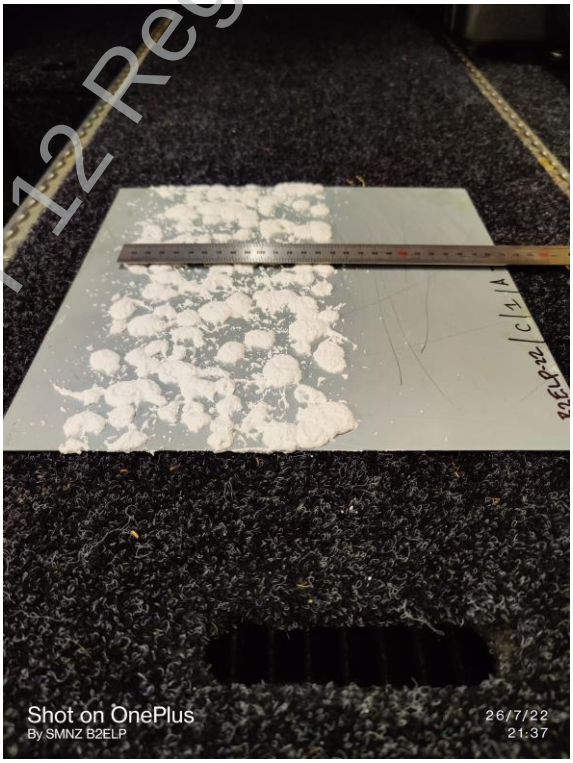
SCHEDULE C

Agglomerate Cold Applied Plastic, in accordance with NZTA P30:2008, NZTA T12:2013 and Spray Marks NZ Ltd Technical Specification.

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:

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



Structured (Agglomerate) Cold Applied Plastic.

1. Material application rate of 2.4kg/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 375gm/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

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

Skid Resistance.
Greater than 50BPN but less than 65 BPM for markings with a dry film thickness of less than .9mm

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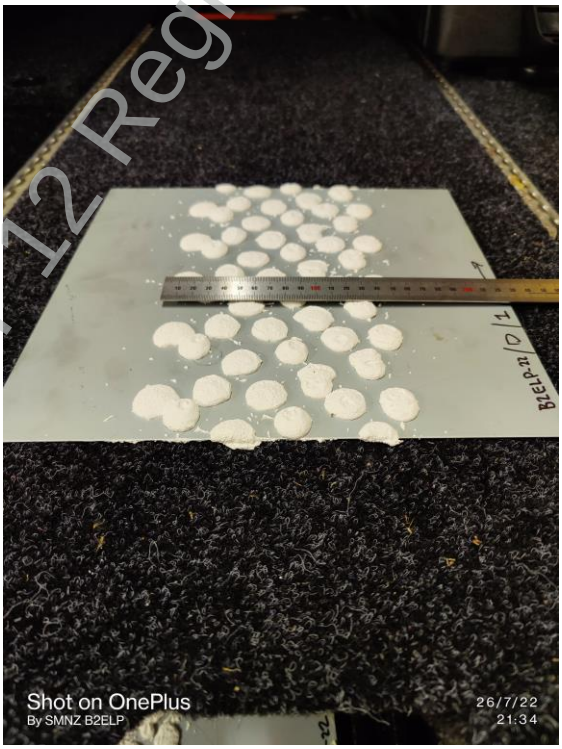
CERTIFICATE OF COMPLIANCE **NZTA T 12:2013**
SCHEDULE D

Spotflex Cold Applied Plastic, in accordance with NZTA P30:2008, NZTA T12:2013 and Spray Marks NZ Ltd Technical Specification.

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:

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



Spotflex Cold Applied Plastic.

4. Material application rate of 2.4kg/m² ± 10%
5. A coverage between 55% and 75%, and
6. 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 375gm/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

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

Skid Resistance.
Greater than 50BPN but less than 65 BPM for markings with a dry film thickness of less than .9mm

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CERTIFICATE OF COMPLIANCE **NZTA T 12:2013**

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Registration Details: [NZRF Stamp & Unique Number]

5516

The New Zealand Roadmarkers Federation Inc
PO Box 143 605, Auckland

Initial Certificate Testing Officer: Alister Harlow
NZRF

T/12 Testing Officer: Gareth Noble
Roadlinz Group Ltd

Signed:

Date of Expiry: **26th of July 2023**