

- Applicator:** 2009 Hofmann H18-1 (EYY807)
Operator Mounted, Type LA
Cold Applied Plastic Applicator.
- Owner:** Combined Roads & Traffic
Services Ltd
P O Box 7013
Rotorua 3074
- 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 Combined Roads & Traffic Services 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 Combined Roads & Traffic Services Ltd Technical Specification.
- Test Identification:**
- The Chassis number of the tested unit is 192/0006
 - The tests were carried out at Combined Roads & Traffic Services Ltd depot at 20 Katoro Drive, Rotorua on the 3rd August 2023.
 - The materials used for the tests were: Damar CAP ATP Two Component Cold Applied Plastic and Potters AC07 Silane Coated Drop On glass beads.

Equipment Tested:	150mm Screed Box	Kadcam	0006
	CAP Doser Unit	Kadcam	0006
	Structure Spindle	Wisbrob	0006
	Bead Gun	Handok	0006
	Compressor	BOGE	0006
	Speedometer	Autoline 200	0006

Applicator Speeds:	100mm	150mm	200mm
Schedule B		2.1 km/h	
Schedule C		2.8 km/h	

Copied from NZRF T12 Register

SCHEDULE B

Cold Applied Plastic Audio Tactile, in accordance with NZTA M24:2006, NZTA P30:2008, NZTA T12:2013 and Combined Roads & Traffic Services 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



SCHEDULE C

Agglomerate Cold Applied Plastic, in accordance with NZTA P30:2008, NZTA T12:2013 and Combined Roads & Traffic Services 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 $2.4\text{kg/m}^2 \pm 10\%$
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/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.

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



CERTIFICATE OF COMPLIANCE NZTA T 12:2013



Registration Details:

[NZRF Stamp & Unique Number]

5777



Initial Certificate Testing Officer:

Ross Ridings
Quality Surveillance Ltd

T/12 Testing Officer:

Gareth Noble
Roadlinz Group Ltd

Signed:

Date of Expiry:

12th of August 2024