

## CERTIFICATE OF COMPLIANCE NZTA T 12:2003

**Applicator:** 2009 Hofmann H18 / Kadcam  
Enterprises System Cold Applied  
Plastic Applicator, Registration  
Number EYY807



**Owner:** Combined Road and Traffic Services  
PO Box 7013  
Te Ngae 3042

**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 NZTA Specification NZTA T 12:2003.**

**Test Conditions:** The scope of the NZTA T 12 recertification was as follows:  
1) Application of Structured Cold Applied Plastic to Schedule One, with thickness in accordance with CR&TS Technical Specification and NZTA P 30:2008 Specification for High Performance Roadmarkings.  
2) Application of Audio Tactile Markings to Schedule Two, with markings in accordance with NZTA M 24 Specification for Audio Tactile Profiled Roadmarkings  
3) Application of Agglomerate Cold Applied Plastic to Schedule One, with thickness in accordance with CR&TS Technical Specification and NZTA P 30:2008 in conjunction with Audio Tactile Markings to Schedule Two, with markings in accordance with NZTA M 24.

**Test Identification:** The tests were carried out at the Combined Road and Traffic Services Ltd Test Site at Rotorua on the 2<sup>nd</sup> February 2010.  
The Applicator Chassis Number is 192/0006  
The material used for the tests was:  
Damar Baseoplast Cold Plastic 210  
AC-07 Adherence Promoting Coated Potters Glass Beads (AS/NZS 2009) for both Schedules

<b>Equipment Tested:</b>	165mm CAP Box	Kadcam	0006
	Structure Unit	Kadcam	0006
	Catalyst Unit	Kadcam	0006
	Structure Spindle	Wisbrob	0006
	Speedometer	Autolog 200	0006
	Compressor	Boge SK36	0006
	Bead Applicator	ADAC	0006

<b>Applicator Speeds:</b>	<b>Line Width</b>			
	<b>Schedule</b>	<b>100mm</b>	<b>150mm</b>	<b>200mm</b>
	<b>One</b>		1.82	
	<b>Two</b>		1.99	
	<b>One &amp; Two</b>		1.82	

**Special Notes:**

## CERTIFICATE OF COMPLIANCE NZTA T 12:2003

### Schedule Two

#### **Cold Applied Plastic Audio-Tactile in Accordance with NZTA M 24:2006, 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 M 24:2006 Specification for Audio Tactile Profiled Roadmarkings, NZTA P 30:2008 Specification for High Performance Roadmarkings and NZTA T 12: 2003 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  $\pm 300\text{mm}$
- Where gap is less than 3.0m but greater than 1.0m  $\pm 150\text{mm}$
- Where gap is 1.0m or less  $\pm 50\text{mm}$

#### Length of Segments

- 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 1.0m or shorter  $\pm 50\text{mm}$

#### Raised Blocks

- Spacing between blocks +30% -20% of specified value (250mm)
- Spacing between blocks +30% -20% of specified value (500mm)
- Length of block +30% -20% of specified value (50mm)
- Width of block +30% -20% of specified value (100 and 150mm)
- Block height  $\pm 25\%$  of specified value (60mm)

#### Retroreflectivity

- AS/NZS 2009 Class B (drop-on) glass beads applied uniformly at a minimum rate of 275 grams/m<sup>2</sup>.
- Reflectivity (dry - R): A minimum of 150 mcd/m<sup>2</sup>/lux.
- Reflectivity (condition of wetness - RW): A minimum of 80 mcd/m<sup>2</sup>/lux.

#### Skid Resistance

Not Applicable



## CERTIFICATE OF COMPLIANCE NZTA T 12:2003

### Schedule One

#### **Agglomerate Flat Cold Applied Plastic in Accordance with CRTS 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  $\pm 300\text{mm}$

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

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

##### Length of Segments

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 1.0m or shorter  $\pm 50\text{mm}$

##### Cold Applied Plastic Line Width

All line widths  $+10\% - 5\%$

##### Agglomerate Cold Applied Plastic

1. Minimum material application rate of  $3\text{kg/m}^2$ , with
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  $275\text{ grams/m}^2$

Reflectivity (dry - R): A minimum of  $150\text{ mcd/m}^2/\text{lux}$ .

Reflectivity (condition of wetness - RW): A minimum of  $80\text{ mcd/m}^2/\text{lux}$ .

##### Skid Resistance

Greater than 50 BPN but less than 65BPN



**CERTIFICATE OF COMPLIANCE**  
**NZTA T 12:2003**

**Registration Details:** [NZRF Stamp & Unique Number}

3051



**Initial Certificate**

**Issuing Officer:** R J Ridings  
Quality Surveillance Ltd

**Testing Officer:** R J Ridings  
Quality Surveillance Ltd

**Signed:**



**Date of Expiry:** 2<sup>nd</sup> FEBRUARY 2011

Copied from NZRF T 12 Register