

# NZTA / NZRF T 8:2008

## CERTIFICATION

### CHECKLIST

Rev 3 December 2011

*The purpose of this checklist is to provide prompts while conducting the visual examination of paint applicators required during the testing of roadmarking applicators in accordance with NZTA NZRF T 8:2008. Reference needs to be made to the NZTA / NZRF Testing Officer Guide for interpretations and guidance.*

**Test No:**

**Applicator:**

**Owner:**

11.1	<i>Applicator Type</i>				
	Type A	Type B1	Type B Op. Mounted	B Pedestrian Controlled	Type B Umbilical
11.2	Vehicle Description: (Make / Model / Year)				
11.2.1	Chassis Number:		Location:		
	Fleet / Plant No.				
8.3	Owner: (Name and Address)				
<b><i>Entry Qualification</i></b>					
8.4	Entry Qualification:				
8.7	Date of Last T 8:				
8.6.2	Date of Last Confirmation:				
<b><i>Compliance with Transport Regulations</i></b>					
10.3	NZTA Registration No:		Expiry Date:		
	Gross Vehicle Mass:		Tare Weight		Load Cert.
	Certificate of Fitness / Warrant of Fitness / Fitness for Use			Expiry Date:	
	Road User Charges (RUC) Supplementary & Current Distance Licence				
	Dangerous Goods Signs and Labels on vehicle and load <i>(Including facilities for changing in line with product changes)</i>				
	Dangerous Goods Declaration and Emergency Procedures				
	Correct Driver's Licence with D Endorsement / Approved Handler				
	Dual Steer Conversion Certification				
	Load Restraint Certification / Plate				
	Load securing devices comply with Transport Regulations and Truck Loading Code				
Vehicle complies with Vehicle Dimensions and Mass Rule					
<b><i>Compliance with the Hazardous Substances and New Organisms Act and Regulations</i></b>					
10.2	<i>(Attach references to ERMA Group Standard Requirements for Product Loaded)</i>				
	Paint Type Loaded & Approval Codes / Group Standards.				
	Vehicle and paint storage vessels correctly signed & / or placarded				
	Emergency procedures appropriate / available				
	Emergency Systems clearly identified and operable				
	Spill Kit Type / Quantity				
	<b><i>Fire Control Equipment</i></b>				
	Type / Size		Serial Number		Date Last Tested
Type / Size		Serial Number		Date Last Tested	
<b><i>Compliance with the Health and Safety in Employment Act and Regulations</i></b>					
10.1 & 11.2.2	<b><i>Pressure Systems</i></b>				
	<b><i>Compressor</i></b>				
	Make / Model and Serial number				
	Capacity (cfm)				
	Drive (make / model/ serial no.)				
	Rating of compressor drive motor (kw)				
	<b><i>Pressure Relief Valves / Bursting Disks (Setting / Rating in psi)</i></b>				
	Bead Tanks	1:		2:	
	Air Receivers	1:		2:	
	Air Receiver Volume	1:		2:	
Bead tank hatches interlocked (Y / N)					

TEST NO:	Testing Officer	Date	Checked By	Date
Signature / date				

	Pressure Indicating Systems function				
	Attach copy of determinations carried out by appropriate person				
	Attach copy of Test Certificates for pressure vessels with C Ratings				
	Attach copy of Technical Data Sheets for Paint and Hydraulic Hoses				
	AS4343 Hazard Rating Values: (C / D / E)				
	Bead Tanks		Air Receivers		
	Compressor Power:		Paint Hoses		
	Bead Hoses		Hydraulic Hoses		
	<i>Operating Positions, Catwalks and Ladders:</i>				
	Adequate size and design				
	Convenient Access to Ground Level				
	<i>First Aid Kit</i>				
	Available, suitable, maintained in good condition				
	<i>Exhaust Safety</i>				
	Directed such that fumes do not reach driver or operators				
	No danger of ignition of flammable products				
	Noise Level below "Threshold of possible damage" or labelled				
	<i>Machine Guarding</i>				
	Prevents access to dangerous parts of machinery				
	Securely attached, removable only by using tools				
	<b>Compliance with Temporary Traffic Management Requirements</b>				
11.3.6	<i>(Refer to DI.5 of NZTA CoPTTM):</i>				
	Signs - (Type & Location)				
	Warning Beacons - (Type & Number)				
	Arrow Board (Type & Number)				
	Intercommunication - (Type)				
	<b>Technical Requirements All Applicators</b>				
11.2.2	<i>Paint Pumps</i>	Make	Serial Number		
	Pump 1				
	Pump 2				
11.3.5	<i>Paint supply tanks</i>				
	No. 1 Capacity (L)		No. 2 Capacity (L)		No. 3 Capacity (L)
	Ability to dilute / modify / mix paint in accordance with supplier instructions				
	<i>Paint Gauging System</i>				
	Location in approved Quality Assurance Procedures				
	Type (Computer / dip stick)				
	Graduated in				
11.3.3	<i>Bead supply tanks</i>				
	No. 1 Capacity (Kg)		No. 2 Capacity (Kg)		
	<i>Spray Guns</i>	Make / Model	Make / Model		
	Gun 1 / Gun 2				
	Gun 3 / Gun 4				
	<i>Bead Guns</i>	Make / Model	Make / Model		
	Gun 1 / Gun 2				
	Adequate control equipment for control of application rate and embedment				
	Paint and bead guns mounted independent of load and road conditions				
	Gun mount system				
11.3.2	<i>Applicator Controls</i>				
	All applicator controls conveniently located and clearly marked				
	All applicator control instruments readily removable for calibration / repair				
	Speedometer make / model and serial number				

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	Speedometer correctly located and in line-of-sight				
	Digital speedometer minimum resolution within 5% of slowest marking speed				
	Analogue speedometer 3mm grad.		Less than 5 % of slowest marking speed		
11.3.4	<i>Segmented Line Equipment – except umbilical Type B</i>				
	Intermittent line device				
	Adjustable time delay Bead Gun (Type / NA)				
11.3.1	<i>Power and Control</i>				
	Torque Control +10% of speed on +12% and -12% grade @			kph	
	Torque Control +10% of speed on +12% and -12% grade @			kph	
<b>Technical Requirements Type A Paint Applicator</b>					
11.4.1	Ability to control vehicle and application equipment from both right and left sides				
	Apply paint and beads on left and right side of vehicle				
11.4.2	Guide Arms adequate and complete				
11.4.3	Cleaning device on left and right side of vehicle				
	Cleaning device type				
<b>Technical Requirements All Type B Paint Applicators</b>					
11.5.1	Length of Applicator		mm		
11.5.2	Motive Power				
	Acceleration capability		Apparent	Tested	
11.5.3	Transverse line capability		Apparent	Tested	
11.5.4	Turn Arrow capability		Apparent	Tested	
<b>Technical Requirements Type B1 Paint Applicator</b>					
11.6.1	Ability to apply both longitudinal and transverse markings				
11.6.2	Ability to control vehicle and application equipment from both right and left sides				
	Apply paint and beads on left and right side of vehicle				
11.6.3	Guide Arms adequate and complete				
11.6.4	Cleaning device on left and right side of vehicle				
	Cleaning device type				
<b>Technical Requirements Type B Umbilical Paint Applicator</b>					
11.7.1	<i>Note: The Mother Vehicle needs to be checked for compliance against the requirements for all applicators. Where the Mother Vehicle has been checked as part of an applicator inspection, these details may be used; however equipment specific to umbilical must be clearly identified.</i>				
	Mother Vehicle One		General Inspection completed		
	Mother Vehicle Two		General Inspection completed		
	<i>Motive power system</i>				
	Manual	Electric	Air	Other	
11.7.2	Stability				
11.7.3	<i>Hose control system</i>				
	Description				
<b>Technical Requirements Transport Trailer / Vehicle</b>					
10.3	NZTA Registration No:		Expiry Date:		
	Tare Weight				
	Certificate of Fitness / Warrant of Fitness / Fitness for Use		Expiry Date:		
	Dangerous Goods Signs and Labels on vehicle and load (Including facilities for changing in line with product changes)				
	Dangerous Goods Declaration and emergency procedures				
	Correct driver's Licence with D Endorsement / Approved Handler				
	Load Restraint Certification / Plate				
	Load securing devices comply with Transport Regulations and Truck Loading Code				

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<i>Completion checklist</i>						
Inspection completed & no outstanding deficiencies						
<i>Test Prompts</i>						
Nominated Film Thickness (µm)						
Test One	Pump (W/Y)		Side (L/R)		Paint & sand clean	
Test Two	Pump (W/Y)		Side (L/R)		Paint & straightness	
Test Three	Pump (W/Y)		Side (L/R)		Paint, seg. spacing & bead delay	
Test Four	Pump (W/Y)		Side (L/R)		Paint & bead rate	
Power & control						
Photographs attached (see following page)						
Notes:						

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Signature / date				

### Photographic Records Required – Vehicle Inspection

**All photographs to be taken with digital camera (4Megapixel or greater) with date stamp function activated. Images to be in excess of 500kb**  
**Additional photographs may be included**  
**Photographs to be printed (B&W acceptable) maximum of two (2) to fill an A4 page and attached to Test Records. Electronic file of the photographs are to be maintained for audit purposes.**

Item	Description	Tick or N/A
11.2	Vehicle Description: (Make / Model / Year) i.e. Photo for Certificate	
11.2.1	Chassis Number: - Vin Plate or Assigned No.	
10.3	NZTA Registration Label	
	NZTA Load Certificate	
	NZTA COF/WOF showing Expiry	
	Dangerous Goods Signs and Labels / Facility for changing in line with product carried	
	Load Restraint Certification / Plate	
	Load securing devices comply with Transport Regulations and Truck Loading Code (include plate as applicable)	
	Vehicle complies with Vehicle Dimensions and Mass Rule	
10.2	Paint Type Loaded (Drum labels)	
	Vehicle and paint storage vessels correctly signed & / or placarded	
	Spill Kit Type / Quantity	
	Fire Extinguishers with Inspection label	
10.1 & 11.2.2	Pressure Relief Valves and or Burst Disks	
	Certification Plate on Bead Tank	
11.2.2	Pressure Gauge Condition / Function	
	Operating Positions, Catwalks and Ladders (Include handholds as appropriate)	
11.3.6	Photograph of TMP equipment mounted on applicator, i.e. Sign(s), beacons and arrow-board	
11.4	Apply paint and beads on left and right side of vehicle	
	Cleaning device on left and right side of vehicle	
<b>Photographic Records Required – Testing</b>		
Test	Test Strip, Applicator and Testing Officer (Include entire length of strip)	
Test 1	Sand Clean as applicable	
Test 3	Start & Stop of Bead Delay Test Stripe	
Turn Arrow	Turn Arrow with applicator	