

# NZTA / NZRF T 8:2008

## CERTIFICATION

### CHECKLIST

Rev 1 March 2010

***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>Entry Qualification</b>  |   |         |                    |                         |                  |
| 8.4   | Entry Qualification:  |         |                    |                         |                  |
| 8.7   | Date of Last T 8:   |         |                    |                         |                  |
| 8.6.2   | Date of Last Confirmation:  |         |                    |                         |                  |
| <b>Compliance with Transport Regulations</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:            |                  |
|   | Dangerous Goods Signs and Labels on vehicle and load<br><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>Compliance with the Hazardous Substances and New Organisms Act and Regulations</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   |         |                    |                         |                  |
|   | <i>Fire Control Equipment</i>   |         |                    |                         |                  |
|   | Type / Size   |         | Serial Number      |                         | Date Last Tested |
|   | Type / Size   |         | Serial Number      |                         | Date Last Tested |
|   | <b>Compliance with the Health and Safety in Employment Act and Regulations</b>  |         |                    |                         |                  |
| 10.1 & 11.2.2   | <i>Pressure Systems</i>   |         |                    |                         |                  |
|   | <i>Compressor</i>   |         |                    |                         |                  |
|   | Make / Model and Serial number  |         |                    |                         |                  |
|   | Capacity (cfm)  |         |                    |                         |                  |
|   | Drive (make / model/ serial no.)  |         |                    |                         |                  |
|   | Rating of compressor drive motor (kw)   |         |                    |                         |                  |
|   | <i>Pressure Relief Valves / Bursting Disks (Setting / Rating in psi)</i>  |         |                    |                         |                  |
|   | Bead Tanks  | 1:      |                    | 2:                      |                  |
|   | Air Receivers   | 1:      |                    | 2:                      |                  |
|   | Air Receiver Volume   | 1:      |                    | 2:                      |                  |
|   | Bead tank hatches interlocked (Y / N)   |         |                    |                         |                  |
|   | Pressure Indicating Systems function  |         |                    |                         |                  |

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

|   |  |                     |                    |  |
|---|--|---------------------|--------------------|--|
| <i>Attach copy of determinations carried out by appropriate person</i>          |  |                     |                    |  |
| <i>Attach copy of Test Certificates for pressure vessels with C Ratings</i>     |  |                     |                    |  |
| <i>Attach copy of Technical Data Sheets for Paint and Hydraulic Hoses</i>       |  |                     |                    |  |
| 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><i>Compliance with Temporary Traffic Management Requirements</i></b>         |  |                     |                    |  |
| 11.3.6  | <i>(Attach copy of Approvals page of TMP used for compliance checking)</i> |                     |                    |  |
|   | TMP Used:  |                     |                    |  |
|   | Signs - (Type & Location)  |                     |                    |  |
|   | Warning Beacons - (Type & Number)  |                     |                    |  |
|   | Arrow Board (Type & Number)  |                     |                    |  |
|   | Intercommunication - (Type)  |                     |                    |  |
| <b><i>Technical Requirements All Applicators</i></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<br><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   |          |  |        |  |
|   | 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                                    |            |  |            |  |                                  |  |
| Notes:   |            |  |            |  |                                  |  |

|                  |                 |      |            |      |
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