

# NZTA / NZRF T 18:2011

## CERTIFICATION

## CHECKLIST

Rev O June 2011

***The purpose of this checklist is to provide prompts while conducting the visual examination of RPM melters and thermoplastic pre-melters required during the testing of roadmarking applicators in accordance with NZTA NZRF T 18:2011. Reference needs to be made to the NZTA / NZRF T 18 Testing Officer Guide for interpretations and guidance. Reference numbers relate to the T18 Testing Officer Guide.***

Test No:

Melter / Pre-melter:

Owner:

<b>Melter Identification</b>				
7.4.6	Owner: (Name and Address)			
7.4.1	<i>Melter / Premelter Type</i>			
	Vehicle Mounted		Pedestrian Controlled	Transportable
7.4.2 & 7.4.3	Melter Number:		Location:	
	Fleet / Plant No.			
7.4.4	<i>Melter Tanks</i>	Make / Model		Serial Number
	Tank One			
	Tank Two			
	Design Drawings			
7.4.20	Heating Method			
7.4.5	Transport Vehicle Description: (Make / Model / Year) (Where appropriate)			
<b>Entry Qualification / Previous Certification</b>				
7.4.7	Date of first T 18:			
	Date of last T 18			
<b>Technical Requirements All Melters</b>				
7.4.9	<i>Load / Access Hatches</i>			
	Hatch size and shape sufficient to enable safe and efficient loading of material			
	Hatch size and shape sufficient to enable removal of water and detritus			
	Hatch size and shape sufficient to enable effective cleaning of tank			
	Hatch acts as sole vent			Y / N
	If used as sole vent, is protected against becoming sealed shut			Y / N
7.4.10	<i>Agitator</i>			
	Capable of shifting material in all areas of the tank			
	Capable of shifting material from and to all areas of the tank			
	Capable of moving the material surface with material at any level			
7.4.20	<i>Heating Equipment (Attach copies of relevant certificates)</i>			
	Gas	Electric	Other: (State)	
	Complies with Gas Safety & Measurement Regulations		Certificate Date & No:	
	Complies with Electrical (Safety) Regulations		Certificate Date & No:	
7.4.11	<i>Tank Vents</i>			
	Adequate to prevent unsafe pressures			
7.4.12	<i>Heating Gas Flue</i>			
	Appropriately sized			
	As far as possible from hatches, vents or other vapour path			
7.4.13	<i>Lagging and Corrosion Prevention</i>			
	Tank adequately protected against corrosion			
	Tank free from significant corrosion			
	Insulation adequately protected from both water and material spills			
	Adequate gaps in insulation ate penetration points			
7.4.14	<i>Level Indication</i>			
	Method Used			
	Minimum Safe Heating Level clear			
	Maximum Safe Heating Level Clear			

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

	If dipstick used, function clear and adequate				
7.4.21	<i>Component Attachment</i>				
	Attachments to melter tank on sub-frame or designed to fail before tank ruptures				
7.4.15	<i>Discharge Valve / Hose</i>				
	Suitably sized and appropriate				
	Gun on electrically heated hose positive and self closing				
	Electrically heated hose temperature corresponds with melter temps				
	Electrically heated hose insulated adequately				
7.4.16	<i>Temperature Indicator</i>				
	Type				
		Make	Serial No		
	Tank 1				
	Tank 2				
	Indicator(s) free from damage or tampering				
7.4.17, 7.4.18 & 7.4.19	<i>Temperature Controller</i>				
	Type				
		Make	Serial Number		
	Tank 1				
	Tank 2				
	Readily removable				
<b><i>Compliance with the Health and Safety in Employment Act and Regulations</i></b>					
7.4.9	<i>Operating Positions, Catwalks and Ladders:</i>				
	Adequate size and design				
	Convenient Access to Ground Level				
7.4.24	<i>First Aid Kit</i>				
	Available				
	Contains Burns Kit				
	Maintained in good condition				
10.1 (T18)	<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				
7.4.19	<i>Heat Shielding &amp; Machine Guarding</i>				
	Contact burn hazards guarded or labelled				
	Guarding prevents access to dangerous parts of machinery				
	Securely attached, removable only by using tools				
<b><i>Compliance with the Hazardous Substances and New Organisms Act and Regulations</i></b>					
7.4.22	Melter vessels correctly signed & / or placarded				
7.4.23	Emergency Procedures appropriate / available				
7.2.25	<i>Fire Control Equipment</i>				
	Type / Size		Serial Number	Date Last Tested	
	Type / Size		Serial Number	Date Last Tested	
<b><i>Compliance with Transport Regulations (Vehicle Mounted / Transportable Melters Only)</i></b>					
7.5.1	Registration No:		Expiry Date:		
7.5.2	Gross Vehicle Mass:		Tare Weight:		Load Cert.
7.5.3	COF / WOF / Fitness for Use		Expiry Date:		
7.5.4	Dangerous Goods Signs / Placards and Labels on vehicle and load				
7.5.5	Dangerous Goods Declaration & Emergency Procedures				
7.5.6	Drivers Licence & Endorsements				

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

	(Name / Number / Endorsement		
7.5.7	Dual Steer Conversion Certification		
7.7.8	Load Restraint Certification / Plate		
	Load securing devices comply with Transport Regulations and Truck Loading Code		
7.5.9	Vehicle complies with Vehicle Dimensions and Mass Rule		
7.5.10	Mounting to engineering best practice /complies with Transport Rule		
7.5.11 & 7.4.21	Roll over protection provided for vulnerable components		

***Compliance with Temporary Traffic Management Requirements***

7.4.26	Signs - (Type & Location)		
	Warning Beacons - (Type & Number)		
	Arrow Board (Type & Number)		
	Intercommunication - (Type)		

***Demonstration of Operation & Operational Safety***

7.7.5	Melter able to be used safely		
	<i>Controller(s) fail-safe</i>		
	Controller cuts heating off if over temperature		
	Heating /power remains off after system failure		
	Gas supply cuts off if pilot is extinguished		
	<i>Temperature controller(s) accurate within ± 5°C over working range</i>		
	Date /Time	Controller Temperature	Measured Temperature
	Temperature Measuring Equipment Identifier		

***Completion checklist***

Inspection completed & no outstanding deficiencies	
Notes:	

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