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Job Safety Assessment (JSA) (Part 1)					
Contractor:				Signed off: _____	
Project:				Date: _____ No.: ____	
Job: Installing FlexiTherm Preform Thermo Plastic				Accepted: Yes / No	
Procedure (in steps):	Possible Hazards:	Risk Rating			Safety Controls: (refer HRM Back Page)
		Li	Si	R	
1. Preliminary					
Authority notification and approval.					Client responsibility.
2. Site Establishment					
Establish site facilities.	Facilities in wrong place.				Client responsibility.
Induction of workers on Site Safety Management Plan and Site Environmental Management Plan.	Change in work team / process / equipment leading to change in risks to safety or environment.	C	1	L	Contractors/Employees to have "Red or Green Card" prior to commencing work on-site. Contractors/Employees to attend site induction process where required.
Install traffic management system in accordance with approved Traffic Control Plan.	Contractor/Employee could be struck by vehicle. Accident involving plant, motorists or public could occur.	C	2	M	Contractor/Employee to wear high visibility shirts or vests at all times. Traffic Management to be provided by client. All Contractor/Employee tools and equipment will be kept within the confines of the fenced / barricaded work area.
Barricade work area with temporary fencing.	Barricading insufficient to prevent un-authorized persons entering worksite. Danger to public falling into	D	1	L	Barricading will be the Contractor/Employees Only authorised persons are permitted onto the work site.
		C	1	L	

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	excavation or slipping / tripping over equipment.				
Set up any environmental safeguards as required by the EMP.	Incorrect installation resulting in environmental degradation.	C	1	L	Environmental safeguards will be the client's responsibility.
3. Access and Egress					
Rough and uneven surfaces	Trips and falls	C	1	L	Personnel to be made aware of the site conditions.
Dirt tracks	Driving hazards	D	1	L	Personnel to drive safely on site
Traffic	Personnel hit by moving traffic	D	1	L	Personnel to be aware of vehicles on site
Kerbs potholes and Manhole covers	Trip hazards	C	1	L	Personnel to be aware of trip hazards
Wet and slippery conditions	Trip and vehicle hazards	D	1	L	Personnel to be aware of working in wet conditions
4. Melting the Preform					
Hot Work	Could start a fire, could cause burns	C	2	M	Extinguisher to be on site. Personnel to be made aware of hot work
Hot Thermoplastic	Could cause burns	C	2	M	Personnel to be aware of burns caused by hot Thermoplastic
Hot Surfaces	Could cause burns, Heat may travel.	C	2	M	Personnel to be made aware of hot Thermoplastic the damage it can cause
6. Installation of Preform					
Clean the Area required, with hand broom	Dust in the eyes. Back strain. Blisters and splinters	C	1	L	Contractor/Employee to wear appropriate PPE including hand protection (gloves), footwear such as safety boots and eye protection, make sure the broom is safely stored on the vehicle to prevent and damage.
Clean the area required with	Leaking fuel.	C	1	L	Make sure that the mechanical blower is in

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mechanical blower	Manual handling injury due to the weight of the blower				operational condition. It is started correctly. The operator is familiar with manual lifting.
Measure and chalk line the area required	Trip and fall. Needle stick injury. Cuts and abrasions	C	1	L	Make sure that there are no trip hazards. Be aware of needle stick injury and look out for discarded needles. Contractor/Employee to wear appropriate PPE including hand protection (gloves) and footwear such as safety boots.
Laying out the Preform	Manual handling injury due to the weight of the packages. Back strain due to constant bending. Cuts and abrasions.	C	1	L	If not sure get two people to lift the packages to the site. Contractor/Employee to wear appropriate PPE including hand protection (gloves) and footwear such as safety boots.
Setting up the Gas heat exchange burner	Manual handling injury due to the weight of the gas cylinder.	C	2	L	Contractor/Employee to be aware of the requirement for manual lifting and handling
Cutting the Preform	Cuts and lacerations	C	2	M	Contractor/Employee to wear appropriate PPE including hand protection (Gloves) To be instructed in the correct procedure for cutting FlexiTherm.
Melting down the Preform	Could start a fire. Could cause burns. Could cause burns, heat travels	C	2	M	Extinguisher to be on site. Personnel to be aware of burns caused by hot work. Personnel to be aware of burns caused by hot Thermoplastic
Applying the 70/30 Beads/grit mix	Manual handling injury due to the weight of the Thermo Bead packages. Back strain due to constant bending. Cuts and abrasions. Burns from being to close to the heat exchange unit	C	2	M	Contractor/Employee to be aware of the requirement for manual lifting and handling. Contractor/Employee to wear appropriate PPE including hand protection (gloves) and footwear such as safety boots. Personnel to be aware of burns caused by hot work. Personnel to be aware of burns caused by hot Thermoplastic

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Clean up of excess Beads/Grit	Public could slip and fall. Contractor/Employee could trip and fall	C	2	M	Site to be cleaned of excess Beads and grit mix.

Job Safety Assessment (JSA) (Part 2)		
Personal Qualifications and Experience:	Personnel, Duties and Responsibilities:	Training Required to Complete Work:
<ul style="list-style-type: none"> Knowledge of traffic control and Road works signage Installation of FlexiTherm Safe Operation of the 50mm Gas Heat Exchange Unit 	<ul style="list-style-type: none"> Wear appropriate PPE (hard hat, high visibility shirts, steel capped boots or gum boots, ear plugs and gloves) Follow Safe--T-Line Quality System and procedures Follow site induction instructions 	<ul style="list-style-type: none"> Site induction Training in the installation of Preform. Some Road Traffic control and Signage Training
Engineering Details/Certificates/Work Cover Approvals:	Codes of Practice, Legislation:	
Traffic Control	AS 1742.3 and the Field Guide for Traffic Control at Works on Roads HB81.1	
Plant/Equipment:	Maintenance Checks:	
<ul style="list-style-type: none"> 50mm Gas Heat exchange unit and Gas Cylinder Mechanical Blower Hand tools Brooms, shovels etc. Road signs, traffic control 	<ul style="list-style-type: none"> The hose for damage, the Cylinder for any external damage, Heat exchange for damage Check safety equipment operational Fuel and oil for Mechanical Blower Is the Gas cylinder within the current test period 	

<ul style="list-style-type: none"> • PPE (work boots, vests, hard hat, ear plugs, gloves) 	
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Read and Signed by All Employees on Site:

Name	Signature	Date

Hazard Risk Matrix

Likelihood Level	Consequence Severity level			
	1 - Minor	2 - Moderate	3 - Major	4 - Catastrophic
A - Almost Certain	H	H	V	V
B - Likely	M	H	H	V
C – Possible	L	M	H	H
D - Unlikely	L	L	M	H