



SAFE WORK METHOD STATEMENT

BNP SWMS 05 - DuraTherm V2

Issued 15-May-23

ABN: 69 056 378 575		ACN: 056 378 575		11 Huntington Place, Banyo QLD 4014		PH: (07) 3630 2500	
Project						Project No	
Client				Location			
Person in control of works				Contact Number			
Work Activity	Installation of DuraTherm						
High Risk Construction Activities	<input type="checkbox"/> Risk of a person falling more than 2 metres <input type="checkbox"/> Work on or near pressurised gas mains or piping <input type="checkbox"/> Work in an area with movement of powered mobile plant		<input type="checkbox"/> Work in or near a confined space <input type="checkbox"/> Work on or near energised electrical installations or services <input type="checkbox"/> Work in or near water or other liquid that involves a risk of drowning		<input type="checkbox"/> Work in or near a shaft or trench deeper than 1.5 m or a tunnel <input type="checkbox"/> Work on, in or adjacent to a road, railway, shipping lane or other traffic corridor in use by traffic other than pedestrians <input type="checkbox"/> Is carried out in an area that may have a contaminated or flammable atmosphere		
Consultation in development of SWMS	Name	Position		Signature		Date	
	Greg Steele	Director					
	Randal Black	National Manager					
	Brendan Evans	QLD Manager					
Approved by	Randal Black	Position	National Manager	Signature		Date	
Legislation and Codes of Practice	Work Health & Safety Act 2011, Work Health & Safety Regulation 2011, How to Manage Work Health and Safety Risks COP 2011, Work Health and Safety Consultation, Co-operation and Co-ordination 2011 Traffic Management for Construction or Maintenance Work Code of Practice 2008, MUTCD Part 3 Managing the Risks of Hazardous Chemicals Code of Practice 2021, Hazardous Manual Tasks Code of Practice 2021, Managing Risks of Plant Code of Practice 2021, Abrasive Blasting Code of Practice 2021, First Aid in the Workplace Code of Practice 2021						
Plant and Equipment required	Vehicle, Gas Hand Torch, Air Tools & Hoses, Air compressor, SR60 Streeheat Machine, Plate compactor, Generator						
Inspections and maintenance	Preoperational check to be conducted on plant						
Materials used	Thermoplastic sheets, LP Gas, Spot Marking Paint, Unleaded Petrol, Diesel, Line Marking Paint						



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Specific Training	General industry induction (QLD white card); Site specific induction, trained in SWMS / SDS procedures, StreetPrint Approved Applicator, Trained in Safe & Proper Use of PPE
Personal Protective Equipment	Mandatory PPE to be worn at all times – Hi-Vis Long Sleeve shirt – (Sleeves rolled down) or Hi-Vis vest over shirt, Long pants, Safety glasses, gloves when Manual Handling, Safety helmet where required. Task PPE – Ears plugs (over 70db), Respirators, Knee high leather chaps

Implement, Monitor and Review

Actions before work commences	Workers will be inducted onto the Safe Work Method Statement Traffic management controls, approved plans and permits must be in place before working within 6mtrs of live traffic. All traffic controllers must hold the relevant qualification for the role. Evidence must be sighted prior to start of works. Works must be planned and structured to cause minimum disruption to local traffic, pedestrians and residents. Conduct pre-operational checks on mobile plant
Actions during works	Signage checks must be completed at regular intervals and documented throughout the day. Works will be monitored to ensure works are carried out in accordance with the Safe Work Method Statement Report any hazards or incidents. Person in control of the works is the nominated person who will ensure the implementation of this SWMS. All incidents and / or near misses must be reported following the Brick N Pave incident reporting process.
Actions after work is completed	Safe Work Method Statement will be reviewed and amended when changes are made or where a new hazard has been identified, or at least annually

Risk Assessment

HEALTH & SAFETY CONSEQUENCES		1. INSIGNIFICANT - no injuries	2. MINOR - first aid treatment, spillage contained on site	3. MODERATE - medical treatment, spillage contained with outside help	4. MAJOR - extensive injuries, loss of production	5. CATASTROPHIC - death, toxic release of chemicals
PROBABILITY	A. Common or Frequent Occurrence	M5	M10	H15	E20	E25
	B. Is known to Occur or 'It Has Happened'	L4	M8	H12	E16	E20
	C. Could Occur or "I've Heard of it Happening"	L3	M6	M9	H12	H15
	D. Not Likely to Occur	L2	L4	M6	M8	M10
	E. Practically Impossible	L1	L2	L3	L4	M5

Level of health and safety protection

HIGHEST

▲

Level 1

Eliminate the hazards

▼

Level 2

Substitute the hazard with something safer

Isolate the hazard from people

Reduce the risks through engineering controls

▼

Level 3

Reduce exposure to the hazard using administrative actions

Use personal protective equipment

▼

LOWEST

Reliability of control measures

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
1.	Site Establishment of works on, in or adjacent to a road or traffic corridor in use by traffic other than pedestrians	Public	Incident due to proximity to adjacent road	B x 5 = E20	<p>BNP to hire a licensed Traffic Management Company to develop and establish appropriate traffic management controls taking in consideration sequencing, job specific Temporary Road Closure Approval requirements and scheduling of works.</p> <p>Ensure permits are current.</p> <p>Traffic Management Plan and Traffic Guidance Schemes to be developed and implemented by a licenced traffic management company.</p> <p>Ensure traffic management controls are inspected and signed off by traffic management company.</p> <p>Site vehicles to have warning devices (e.g. flashing lights, vehicle signage, etc.).</p> <p>Workers to wear high visibility clothing (night vis as required).</p>	D x 5 = M10	BNP representative Traffic Management Company
2.	Starting Work	Poor consultation	Incident due to poor consultation	B x 5 = E20	<p>BNP to coordinate consultation between site personnel and traffic control company.</p> <p>Consultation to include</p> <ul style="list-style-type: none"> • Scheduling of works • Movement of plant and vehicles • Nominated UHF channel • Specific hazards and controls relevant to the shift • Emergency response 	D x 5 = M10	BNP representative
3.	Unloading plant	Falls	Injury due to fall	B x 4 = E16	<p>Ensure fall protection is in place on truck.</p> <p>Utilise ladder access to rear of truck.</p>	D x 4 = M8	BNP representative

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
4.		Manual Tasks	Sprains and strains	B x 3 = H12	<p>Use mechanical assistance to lift heavy plant for truck.</p> <p>Ensure personnel understand what manual handling is not just about the weight e.g. for example, twisting, jerking or reaching, doing the task too fast, using too much force or lifting the wrong way.</p> <p>If mechanical assistance is not reasonable, utilise team lifts.</p>	D x 3 = M6	BNP representative Site personnel
5.	SR60 streetheat machine	Operator competency	Incident due to operator competency	B x 4 = E16	<p>Operator to be suitably trained and their competency verified.</p> <p>Operator needs to be familiar with the task and the plant.</p> <p>Operator must be fit for work.</p>	D x 4 = M8	BNP representative Plant operator
6.		Condition of plant	Incident due to plant failure	B x 4 = E16	<p>Operator to conduct preoperational checks on plant.</p> <p>Checks to include all fittings, fixtures, gas bottle etc. to be conducted prior to each daily use by the competent operator.</p> <p>All gas equipment to have necessary regulators/flash back arrestors in place.</p> <p>Major defects are to be reported to the BNP representative.</p>	D x 4 = M8	BNP representative Plant operator
7.		Proximity with personnel	Incident due to close proximity	B x 3 = H12	<p>Establish appropriate exclusion zone around working plant.</p> <p>Operators to ensure no others are within 1.5 meters of the operation at any given time.</p> <p>Establish spotters as required.</p>	D x 3 = M6	BNP representative Plant operator

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
8.		Hot works	Fire / burns	B x 3 = H12	<p>Ensure Hot Works permit is completed and authorised before commencing works.</p> <p>Operator to wear non-flammable gloves while operating plant.</p> <p>In-date Fire Extinguisher to be present within 10 meters of the operation at all times.</p>	D x 3 = M6	BNP representative Plant operator
9.	Inserting stencil	Manual tasks	Sprains and strains	B x 3 = H12	<p>Stencil to be lifted in place by 2 persons.</p> <p>Plate compactor to be operated by a competent person.</p> <p>Rotate personnel to reduce exposure to vibration.</p>	D x 3 = M6	BNP representative Site personnel
10.	Position and heating Thermoplastic	Manual Tasks Heat Cutting devices	MSDs Burns Lacerations	B x 2 = M8	<p>Thermoplastic to be lifted in place by 2 persons.</p> <p>Trim with scissors or knife.</p> <p>Operator to wear non-flammable gloves while operating plant.</p> <p>In-date Fire Extinguisher to be present within 10 meters of the operation at all times.</p>	D x 2 = L4	BNP representative Site personnel
11.	General site hazards	Fuelling Plant	Contact with fuel Fire	B x 3 = H12	<p>Ensure correct fuel is used.</p> <p>Ensure spill kit and ABE fire extinguisher is available.</p> <p>Ensure no naked flames are in the fuelling area.</p>	D x 3 = M6	BNP representative Site personnel

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk $L \times C = R$	Control Measures	Residual Risk $L \times C = R$	Responsible Person
12.		Noise	Exposure to excessive noise Hearing Damage	$C \times 4 = H12$	<p>Assess work area for excessive noise.</p> <p>Generally, if there is a need to shout due to production noise, controls need to be implemented.</p> <p>When deciding control measure, the hierarchy of control must be considered, and the highest reasonably practicable control measure must be used e.g. remove personnel away from the noise rather than PPE.</p>	$D \times 4 = M8$	BNP representative Site personnel
13.		Dust	Inhalation of airborne contaminants	$B \times 3 = H12$	<p>Work activities that produced to be monitored and where possible dust should be controlled by engineering controls such as water suppression or extraction.</p> <p>If dust cannot be controlled that ensure workers are protected by suitable respiratory protection.</p> <p>Ensure other workers are removed from the immediate area.</p>	$D \times 3 = M6$	BNP representative Site personnel

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
14.		Working outdoors	Heat Stress Skin Cancer	B x 3 = H12	<p>Personnel to be aware of the signs and symptom of heat illness and provided advice on how to minimise the risk including</p> <ul style="list-style-type: none"> • Keep hydrated, about 250ml per 30minutes • Monitor yourself • Check in with your mate • Avoid alcohol and caffeine <p>Signs and symptoms of heat stress include</p> <ul style="list-style-type: none"> • Pale clammy or hot flushed dry skin • Headaches • Nausea and/or vomiting <p>Personnel to be protected from the risk of sun damage. PPE requirements include sunscreen, brims, sunglasses, longs sleeves and long pants.</p> <p>Personnel to report any symptoms of heat illness to BNP representative immediately. Personnel to receive first aid and medical attention.</p> <p>BNP representative to promote heat illness prevention during daily prestart meeting and toolbox meetings.</p>	D x 3 = M6	BNP representative Site personnel

Identified Hazards and Control Measures

Item	Job sequence	Potential Hazards	Risk	Risk L x C = R	Control Measures	Residual Risk L x C = R	Responsible Person
15.	Finalise Works	Equipment left on road Traffic signage not removed / reinstalled	Incident due to contact with equipment Inappropriate signage	B x 4 = E16	BNP representative to inspect closed work area to ensure all equipment is accounted for and packed onto the site vehicles. Liaise with traffic management company before opening work area. Traffic Management company to establish normal traffic conditions. BNP representation to conduct a final inspection to ensure <ul style="list-style-type: none"> No equipment has been missed All temporary signage has been removed All cover traffic signage has been restored 	D x 3 = M6	BNP representative Traffic Management Company

Additional Hazards and Control Measures

Item	Work Activity	What can go wrong	What will be put in place	Responsible Person
1.				
2.				
3.				
4.				
5.				

Name	Signature	Date	Name	Signature	Date
I the undersigned, confirm that the SWMS nominated above has been explained and its contents are clearly understood and accepted. I confirm that required qualifications to undertake the activity are current. I clearly understand the controls in this SWMS must be applied as documented, otherwise work is to cease immediately. I have been provided with the Personnel Protective Equipment identified, consulted and given the opportunity to comment on this SWMS.					