

IRONBARK

FLOORING & MAINTENANCE SERVICES PTY LTD

Address: Unit 9, 10-11 Millennium Court, Silverwater NSW 2128
Phone: (02) 9647 2015
Contractor's Licence: 51452C
ABN: 68 059 486 109

This SWMS is submitted to _____

Project name and site address _____

Preparation and development of this SWMS has been conducted by workers and is authorised by Andrew Pulsford (0418 461 451)

Date SWMS Updated ____/____/____ Next Revision Date ____/____/____

Hazardous Substances (all MSDS's available upon request):

- Flowcrete Universal Resin
- Flowcrete PU SL
- Flowcrete PU TC
- Flowcrete OP
- Hychem TL2
- Xylene
- Thinner 30400

Please list any additional substances below:

- _____
- _____
- _____

PPE and Safety Equipment Used:

- Steel Cap Boots
- Gloves
- Goggles
- Hard Hats
- Overalls
- Dust Masks
- Respirators
- Face Shields
- Hi-Vis Clothing
- Hearing Protection

Please list any additional PPE or Safety Equipment below:

- _____
- _____
- _____

Safe Work Method Statement – Ironbark Flooring & Maintenance Services Pty Ltd

Risk Matrix	How Likely is it to occur?			
	Very Likely - Could happen at any time	Likely – Could happen sometime	Unlikely – Could happen but unlikely	Very Unlikely – Could happen but probably never will
High - Kill or permanently disable	1	1	2	2
Medium - Long term illness and lost time	1	2	3	4
Moderate - Medical attention and time off work	2	3	4	5
Low/ Insignificant - First Aid	3	4	5	6

If a hazard is rated 1-3 take action immediately. If the risk rating can not be reduced to 4-6, stop work and seek solutions

Description of Tasks

Unloading Vehicles

Possible Hazards	<ul style="list-style-type: none"> • Slips, trips & falls • Abrasions • Manual handling injuries 		
Possible Risks	<ul style="list-style-type: none"> • Cuts • Sprains & strains 	Risk Score Before Controls	4
Risk Controls	<ul style="list-style-type: none"> • Ensure a clear, clean & dry working area • Use correct manual handling techniques • Use a forklift where possible for large quantities or bulky/heavy objects 	Risk Score After Controls	6
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Unloading on streets or in busy loading docks 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Use a spotter/traffic cones • Position truck with doors away from traffic where possible

Horizontal movement of material

Possible Hazards	<ul style="list-style-type: none"> • Slips, trips & falls • Abrasions • Manual handling injuries 		
Possible Risks	<ul style="list-style-type: none"> • Cuts • Sprains & strains 	Risk Score Before Controls	4
Risk Controls	<ul style="list-style-type: none"> • Ensure a clear, clean & dry working area • Use correct manual handling techniques • Use a forklift where possible for large quantities or bulky/heavy objects 	Risk Score After Controls	6
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Unloading on streets or in busy loading docks 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Use a spotter/witch's hats • Position truck with doors away from traffic where possible

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Forklift use (Licence required to operate Forklifts)

Possible Hazards	<ul style="list-style-type: none"> • Site Conditions • Condition of Forklift or goods to be moved 		
Possible Risks	<ul style="list-style-type: none"> • Losing your load • Crashing, causing damage to property or injury to people 	Risk Score Before Controls	1
Risk Controls	<ul style="list-style-type: none"> • Practice proper forklift driving techniques and rules • Secure and monitor your load, do not exceed your load limit. • Travel at a safe speed maintaining a clear line of site to all surroundings at all times • Where possible barricade and isolate forklifts from any other plant or people 	Risk Score After Controls	4
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Power lines & other height restrictions • Other vehicles • People • Obstacles 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Plan your path of travel

Setting up mix/work area

Possible Hazards	<ul style="list-style-type: none"> • Slips, trips & falls • Abrasions • Manual handling injuries 		
Possible Risks	<ul style="list-style-type: none"> • Cuts • Sprains & strains 	Risk Score Before Controls	4
Risk Controls	<ul style="list-style-type: none"> • Ensure a clear, clean & dry working area • Use correct manual handling techniques • Use a forklift where possible for large quantities or bulky/heavy objects 	Risk Score After Controls	6
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Other trades or people entering or working in the mix area • Material spills 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Isolate work area from others with barricade tape • Set up site away from drains and on cardboard. Have plenty of sand & rags on site to clean up in the unlikely case of a spill

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Checking electrical equipment

Possible Hazards	<ul style="list-style-type: none"> • Electrocutation 		
Possible Risks	<ul style="list-style-type: none"> • Death 	Risk Score Before Controls	1
Risk Controls	<ul style="list-style-type: none"> • Ensure all electrical equipment has a current test tag and is fit for use, not faulty in any way prior to starting work. 	Risk Score After Controls	5
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Leads running on floors 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Hang leads on isolator stands

Checking tools

Possible Hazards	<ul style="list-style-type: none"> • Damaged or faulty tools 		
Possible Risks	<ul style="list-style-type: none"> • Cuts • Abrasions 	Risk Score Before Controls	4
Risk Controls	<ul style="list-style-type: none"> • Ensure all tools are fit for use and do not show any signs of miss-use or damage prior to starting work • Only use tools & attachments for the manufacturers intended purpose 	Risk Score After Controls	6
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Tools left untidy can be a trip hazard 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Keep tools clear of walkways and tidy at all times

Diamond grinding existing sub straight & Diamond saw cutting

Possible Hazards	<ul style="list-style-type: none"> • Flying debris • Dust inhalation • Manual handling Injuries • Electrocutation • Excessive noise 		
Possible Risks	<ul style="list-style-type: none"> • Cuts • Abrasions • Eye injuries • Respiratory damage • Back injuries • Death 	Risk Score Before Controls	3

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	<ul style="list-style-type: none"> Hearing impairment 		
Risk Controls	<ul style="list-style-type: none"> Wear all PPE (Goggles, hearing protection, P2 dust mask, knee pads & steel cap boots) Use a circular motion and reverse circular motion for hand held grinding Use a forward motion for stand-up grinders Keep leads clear of cutting blades Use a vacuum to catch and dispose of dust in appropriate site bins 	Risk Score After Controls	5
Possible Product/Environment Hazards	<ul style="list-style-type: none"> Debris hitting persons or property in the area. Dust damage to property Explosion or fire from grinder sparks 	Product/Environment Risk Control	<ul style="list-style-type: none"> All persons present in the work area must wear appropriate PPE Remove all/any flammable substances from the work area or create an exclusion zone covering any substances that cannot be removed Check that all possible ignition points are turned off Cover dust sensitive property to protect against damage

Using industrial vacuum to remove dust from floor

Possible Hazards	<ul style="list-style-type: none"> Airborne debris Inhalation of dust Manual handling injuries Electrocution 		
Possible Risks	<ul style="list-style-type: none"> Eye injuries Respiratory damage Sprains & strains Death 	Risk Score Before Controls	4
Risk Controls	<ul style="list-style-type: none"> Wear all PPE (Goggles, hearing protection & P2 dust mask) 	Risk Score After Controls	6
Possible Product/Environment Hazards	<ul style="list-style-type: none"> Dust spills 	Product/Environment Risk Control	<ul style="list-style-type: none"> Use appropriate bags to collect dust prior to disposal in site bins

Mixing epoxy resins & moving mixed resins from mix area to work area

Possible Hazards	<ul style="list-style-type: none"> • Inhalation of fumes • Impaired judgement • Spilling chemicals • Skin or eyes coming into contact with chemicals • Slips, trips & falls • Manual handling injuries 	Risk Score Before Controls	3
Possible Risks	<ul style="list-style-type: none"> • Headaches • Drowsiness • Poor co-ordination • Nausea • Dermatitis • Eye damage - Blindness • Respiratory damage • Burns • Sprains & Strains • Musculoskeletal disorders 	Risk Score After Controls	5
Risk Controls	<ul style="list-style-type: none"> • Wear all PPE (Goggles, respirator if airflow is limited, gloves, safety boots) • Check that the resin has an up to date MSDS and you are aware of the information contained within it • Read and follow all instructions on the container/packaging • Ensure that containers have warning labels indicating what to do in an emergency • Do not eat, smoke, weld or use naked flame near solvents • Set up exhaust fans where practicable • Use correct manual handling techniques • Only mix resins in manufactures prescribed quantities • Use a power mixer to combine resins • Keep mix area clear and tidy • Use a trolley and or two people to move mixed buckets of resin 		

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Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Chemical spills or splashes • Inhalation of fumes and strong odours affecting people in the near vicinity 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Contain spills or leak residues with sand or other appropriate absorbents • Support buckets and keep area clear while mixing • Do not allow spills to enter drains or waterways • Advise the client and people in the area that epoxy will be used producing an odour and that they should leave the area if possible
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Trowelling epoxy resins

Possible Hazards	<ul style="list-style-type: none"> • Inhalation of fumes • Skin or eyes coming into contact with chemicals • Manual handling injuries 		
Possible Risks	<ul style="list-style-type: none"> • Headaches • Drowsiness • Poor co-ordination • Nausea • Dermatitis • Eye damage - Blindness • Respiratory damage • Burns • Sprains & Strains • Musculoskeletal disorders 	Risk Score Before Controls	3
Risk Controls	<ul style="list-style-type: none"> • Wear all PPE (Goggles, respirator if airflow is limited, gloves, safety boots) • Set up exhaust fans where practicable • Use correct manual handling techniques • Rotate rolls with other workers to limit exposure times 	Risk Score After Controls	5
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • People walking on wet floors 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Barricade work area from all other plan and people in the area

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Broadcasting aggregate

Possible Hazards	<ul style="list-style-type: none"> • Manual handling injuries • Skin irritation 		
Possible Risks	<ul style="list-style-type: none"> • Sprains & Strains • Musculoskeletal disorders • Dermatitis 	Risk Score Before Controls	3
Risk Controls	<ul style="list-style-type: none"> • Use correct manual handling techniques • Rotate rolls with other workers to limit exposure times • Wear long a sleeved shirt and gloves 	Risk Score After Controls	5
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Sand contamination outside of work area causing a slip hazard 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Sweep up all excess broadcast immediately

Top coat application

Possible Hazards	<ul style="list-style-type: none"> • Inhalation of fumes • Skin or eyes coming into contact with chemicals • Manual handling injuries 		
Possible Risks	<ul style="list-style-type: none"> • Headaches • Drowsiness • Poor co-ordination • Nausea • Dermatitis • Eye damage - Blindness • Respiratory damage • Burns • Sprains & Strains • Musculoskeletal disorders 	Risk Score Before Controls	3
Risk Controls	<ul style="list-style-type: none"> • Wear all PPE (Goggles, respirator if airflow is limited, gloves, safety boots) • Set up exhaust fans where practicable • Use correct manual handling techniques 	Risk Score After Controls	5

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	<ul style="list-style-type: none"> • Rotate rolls with other workers to limit exposure times 		
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • People walking on wet floors 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Barricade work area from all other plan and people in the area

Cleaning & packing up

Possible Hazards	<ul style="list-style-type: none"> • Slips, trips & falls • Abrasions • Manual handling injuries 		
Possible Risks	<ul style="list-style-type: none"> • Cuts • Sprains & strains 	Risk Score Before Controls	4
Risk Controls	<ul style="list-style-type: none"> • Ensure a clear, clean & dry working area • Use correct manual handling techniques • Use a forklift where possible for large quantities or bulky/heavy objects • Clean tools and PPE • Wash any contaminated clothing before reusing 	Risk Score After Controls	6
Possible Product/Environment Hazards	<ul style="list-style-type: none"> • Loading on streets or in busy loading docks • Rubbish fire 	Product/Environment Risk Control	<ul style="list-style-type: none"> • Use a spotter/traffic cones • Position truck with doors away from traffic where possible • Ensure all epoxy/chemicals have gone off before placing in appropriate site bins

All Persons are responsible for site and task safety, everyone must comply with the controls outlines in this SWMS.

Human error has been considered in the SWMS and has been addressed through internal and external training of workers. Ironbark will conduct ongoing toolbox talks and training.

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NSW legislation

- Work Health & Safety Act 2011
- Work Health & Safety Regulation 2017
- OHS Amendment (Dangerous Goods) Act 2003
- OHS Amendment (Dangerous Goods) Regulation 2005
- Workers Compensation (Dust Diseases) Act 1942
- Workers Compensation (Dust Diseases) Regulation 2008
- Workers Compensation Act 1987; Workplace Injury Management and Workers Compensation Act 1998
- Workers Compensation Regulation 2003

Australian Standards

- AS 1319: 1994 Safety signs for the occupational environment
- AS 1418.10(Int): 2004 Cranes, hoists and winches – Elevating work platforms
- AS 1940: 2004 The storage and handling of flammable and combustible liquids
- AS/NZS 1269: 2005 Occupational noise control
- AS/NZS 1668.2: 2002 The use of ventilation and air conditioning in buildings – Ventilation design for indoor air contaminant control
- AS/NZS 1715: 2009 Selection, use and maintenance of respiratory protective devices
- AS/NZS 2162.1: 2000 Occupational protective gloves – Selection, use and maintenance
- AS/NZS 2210.1: 1994 Occupation protective footwear – Guide to selection, care and use
- AS/NZS 3760: 2010 In-service safety inspection and testing of electrical equipment
- AS/NZS 4503 Protective clothing – protection against liquid chemicals
- AS/NZS 4602: 2011 High visibility safety garments – garments for high risk applications
- AS/NZS 5762: 2005 In-service safety inspection and testing – Repaired electrical equipment
- AS/NZS ISO 31000: 2009 Risk management – Principals and guidelines
- AS/NZS/ISO 60079.1: 2009 Classification of hazardous areas

National Codes of Practice (Safe Work Australia – Document Title)

- How to manage and control asbestos in the workplace
- How to safely remove asbestos
- Confined spaces
- Work health and safety consultation, cooperation and coordination
- Managing the work environment facilities
- Labelling of workplace hazardous chemicals
- Preparation of safety data sheets for hazardous chemicals
- Induction for construction work
- Hazardous manual tasks
- Managing noise and preventing hearing loss at work
- How to manage work health and safety risks

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Declaration by workers

- I have been consulted and have assisted in the development of the above SWMS
- I have read and understood how I am to carry out the activities listed in the above SWMS
- I have been given training in the safe use of equipment and or the job tasks to be performed
- Where identified, I have the appropriate licence, qualifications and experience to perform the job task
- I have been given the opportunity to comment on the content of the above SWMS
- I have been supplied with the PPE identified on the above SWMS
- I have read and understand the requirements set out in the MSDS's for all hazardous substances identified in the SWMS
- I am in a fit state to carry out tasks as listed in this SWMS

Date	Name	Signature	Years of Experience	Construction Card Induction Number
/ /	Andrew Pulsford		15+	CGI00519791SEQ1
/ /	Steve Tomanovic		20+	CGI00517257SEQ1
/ /	Kire Drijovski		20+	CGI01063144SEQ1
/ /	Nikola Skocic		20+	CGI00564807SEQ1
/ /	Brendan Raynal		15+	CGI0075872SEQ1
/ /	Jordan Clarke		5	CGI0216695SEQ01
/ /	Sayed Ahmadi		3	CGI0383044SEQ01
/ /	Danny Quinlan		15+	CGI00462719SEQ1
/ /	Syed Yaqubi		2	10555337
/ /	Matthew Rule		1	CGI00704023SEQ1
/ /				
/ /				