

Richmond Floor Grinder Risk Assessment

www.rapidhire.net.au

We are located at:

10 Kerryl Street, Kunda Park Qld 4556

Email: info@rapidhire.net.au

Phone: 07 5456 2664



Likely Risk Issue	Who/ What may be harmed? (Specific Persons)	What is the Rate Level? (Rate risk as Low, Medium or High)	What Risk Control Actions Needs to Be Taken? (What needs to be considered so that the risks are identified and effectively controlled)	Time Frame
Impact and cutting injuries	Participants Operators Spectators Staff	Severity of Risk (S) – 3 Likelihood of Risk (L) – 2 Overall Risk (S x L) = 6 MEDIUM	<ul style="list-style-type: none"> Operative to be trained in correct use of floor grinder Grinder to be used in compliance with manufacturer’s instructions Ensure operator’s hands and body parts are kept clear during operation and maintenance. Ensure appropriate guarding is installed and in good working order prior to use Ensure Grinding wheel is appropriately installed 	Each hire
Noise and Vibration	Participants Operators Spectators Staff	Severity of Risk (S) - 2 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 4 MEDIUM	<ul style="list-style-type: none"> Ensure adequate PPE is worn (e.g. Gloves and hearing protection) Take regular breaks from continues operation Conduct periodic maintenance to ensure smoother operation and less vibration 	Each hire
Fire, Explosion & Electrocutation	Participants Operators Spectators Staff	Severity of Risk (S) - 2 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 4 MEDIUM	<ul style="list-style-type: none"> Ensure equipment is maintained and in good condition before use DO NOT USE FAULTY EQUIPMENT. REPORT IMMEDIATELY TO RAPID HIRE Use equipment as per manufacturers recommendations Do not use grinder in flammable atmosphere or near combustible materials / substances Ensure no hidden hazards such as electric wiring, water pipes, gas pipes etc 	Each hire
Slips, Trips and falls	Participants Operators Spectators Staff	Severity of Risk (S) - 1 Likelihood of Risk (L) - 2 Overall Risk (S x L) = 3 LOW	<ul style="list-style-type: none"> Wear appropriate footwear Ensure appropriate cleaning and housekeeping practices are maintained to minimise the risk of slips, trips and falls 	Each hire

Calculation of Risk Evaluation

Severity of Risk (S) is judged by evaluating the effects of the hazard if the risk occurs. This is evaluated as Minor = 1, Major = 2, Serious = 3

Risk Likelihood (L) - The likelihood of the harm occurring is evaluated on the basis of: Unlikely =1, Possible = 2, Likely = 3

Overall Risk is calculated by multiplying the figure for Severity (S) and Likelihood (L).

The overall risk figure calculated is related to the Risk Level of either Low: 1 to 3; Medium: 4 to 6 or High: 7 to 9

NB This is a generic risk assessment only. It is advisable to carry out a site-specific assessment prior to using this equipment.

Safe Operating Procedure Richmond Floor Grinder

www.rapidhire.net.au

We are located at:

10 Kerryll Street, Kunda Park Qld 4556

Email: info@rapidhire.net.au

Phone: 07 5456 2664



The instructions recommended within this document apply to normal risk conditions. If the Floor Grinder is to be operated in a dangerous or hostile environment, the user/client is responsible for conducting an appropriate risk analysis and applying suitable controls to mitigate those additional risks.






This instruction should be read in conjunction with the Risk Assessment procedure for the Floor Grinder.

Safety risks:

- Entanglement
- Impact and cutting
- Noise
- Electrocutation

WARNING: Do not wear loose fitted clothing or jewellery and ensure long hair is contained

You must wear this personal protective equipment when doing this task:

Foot Protection	Hearing Protection	High Visibility	Eye Protection	Hand Protection	Dust Mask
					

Pre-Operational Check:

- ✓ Ensure task (e.g. Drawings, instructions, specifications etc) is clearly understood.
- ✓ Check that the accessories and attachments are properly fitted and that all guards and other safety devices are in place and working properly.
- ✓ Before you inspect any parts, make sure the power is turned off and the lead unplugged from the power source.
- ✓ Check workspace and walkways to ensure no slip/trip hazards are present. Ensure adequate lighting. Remove any flammable liquids or combustible materials from the near proximity.
- ✓ Check that the wheel is running true and is not glazed or loaded, or worn down to small. If replacing the wheel ensure that the replacement is properly balanced and dressed (after fitting).
- ✓ Identify ON/OFF switch and emergency stop button.
- ✓ Ensure all other employees are clear of the immediate work area.

Safe Operation:

1. Do not use in close proximity to other workers.
2. When you start up the machine, listen for unusual noises or vibrations.
3. Ensure that water tank is filled before carrying out wet grinding.
4. While you're working, maintain a balanced position and keep a firm grip on the handles.
5. Adjust handle to comfortable position (approximately waist height) for user.
6. Use legs to move machine – do not force by using arms and shoulders only.
7. Avoid breathing dust – wear suitable dust mask or respirator in dusty areas.
8. Don't over-reach or work at an awkward angle.
9. Ensure that wheels are in good condition and turn freely on axles.

Safe Operating Procedure Richmond Floor Grinder

www.rapidhire.net.au

We are located at:

10 Kerryll Street, Kunda Park Qld 4556

Email: info@rapidhire.net.au

Phone: 07 5456 2664



10. Do not tilt machine back beyond balance point when moving.
11. Ensure that there is adequate vertical clearance between the wheel and the surface before starting.
12. Keep your hands and feet away from moving parts at all times.
13. Ensure good housekeeping practices are in place to minimize waste build-up.

Storage & Maintenance:

1. Disconnect machine from power supply before working on grinder heads.
2. Remove built up dust and residue from underside of grinder guard.
3. Avoid breathing dust (especially concrete dust) when emptying bag or bin of dust extractor unit (if connected).
4. Avoid water entry into electric motor when washing exterior of machine
5. Use ramp to pull machine up onto vehicle, or to roll down from vehicle.
6. Secure machine against movement when transporting.