

Operation/Activity: **Use of Abrasive Wheels.**

Site / Location:

Persons at Risk (tick appropriate boxes)

Employee	<input checked="" type="checkbox"/>	Pregnant Women	
Visitor	<input checked="" type="checkbox"/>	Disabled Persons	
General Public		Lone Workers	
Young Persons		Others	

GUIDE TO RATINGS:

RISK SEVERITY	RISK LIKELIHOOD	RISK RATING
1 Negligible	1 Unlikely	1 - 6 Low
2 Minor	2 Possible	7 - 14 Medium
3 Significant	3 Quite Possible	15 - 25 High
4 Major	4 Likely	
5 Catastrophic	5 Very Likely	

Overall Risk Rating = Low

Describe the hazards associated with the activity/operation.

		Summary of Assessment Overleaf				
		Risk Rating (Before Controls)	Likelihood (L)	Severity (S)	Risk (L x S)	Risk Rating
H1	Operatives or bystanders being injured by either contact with abrasive wheels or projectile pieces of materials.	Medium	2	3	6	Low
H2	Eye injuries.	Medium	2	3	6	Low
H3	Health hazards arising from exposure to dust and abrasive particles.	Medium	2	3	6	Low
H4	Damage to hearing.	Medium	2	2	4	Low
H5	Fire	Medium	1	5	5	Low

Assessed By:	Date:
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Monitored By:	Date:
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Issue: 001
Date:
Review:

Risk Assessment



Hazard	Risk Control Measures	Residual Risk		
		Likelihood	Severity	Risk
General	No operatives will be allowed to operate an abrasive wheel unless: <ul style="list-style-type: none"> • They have been trained and instructed in its operation and are authorised to use it. • Are in the process of being trained under the supervision of a competent person. 			
	Operatives should be given formal training on the safe use of abrasive wheels. This training should be recorded and reviewed on a regular basis or when a new tool is introduced.			
	Abrasive wheels will be mounted only by trained, certificated and authorised operatives whose names have been noted in the training register.			
	Persons using machinery must inspect the machine before use and report all defects immediately to their Manager and not re-use it until repairs have been carried out. If mains powered, the equipment must be PAT tested annually.			
	Space around the work area must be kept clear and tidy, free from obstructions. Floors must be kept clean and properly maintained to prevent tripping, slipping or falling.			
H1 3 rd Party Risk	The work area will be kept clear and equipment only to be used when others cannot be affected. Lighting and heating must be adequate for the safe operation of plant. Adverse conditions lessen the effectiveness of the operator.	2	3	6
H2 Flying Particles	Abrasive wheels must be set up correctly for the work intended and kept in a good condition: <ul style="list-style-type: none"> • Suitable abrasive wheels will be selected for each work process; • Abrasive wheels will not be used unless suitable guards are fitted to contain fragments of bursting wheel and/or materials; • Machines, onto which abrasive wheels are to be mounted, will be properly maintained, marked with spindle speed <u>and not misused</u>. 	2	3	6

	All operatives and bystanders, where abrasive wheels are in use, will wear suitable eye protection and other PPE pertinent to the task.			
H3 Dust / Particles	Suitable RPE (FFP3) must be worn at all times when working with the machine. For disposable or tight fitting dust masks, face fitting training is a legal requirement and proof of this must be available.	2	3	6
	Any faults with the machine or problems related to dust must be communicated to the supervisor immediately.			
H4 Noise	Operatives have been issued with ear defenders and must wear them when using the machinery.	2	2	4
	Mandatory hearing protection signs must be displayed at the work location.			
H5 Fire	The use of abrasive wheels on surfaces such as steel or masonry where sparks are generated must be conducted under the remit of a Hot Works Permit. The client representative or site manager will issue the permit and sign off when the works are completed safely and satisfactorily. This is to ensure extra control measures are implemented. (E.g. a suitable fire extinguisher is available, a time period for works is set, a cold-watch period is observed).	1	5	5

Personnel Informed of Risk Assessment Content, Received and Understood		
Name	Signature	Date
