RISK ASSESSMENT

Workplace	Charles Street, Manchester.	**Assessment Number**	C 04
Task / Activity	Use of portable electrical equipment		

Date Conducted:	04.06.2026	**Review by Date:**	On commencement	**Date Reviewed**	
Assessment Team	Stephen Dermott				

1 Hazard (Something with the potential to cause harm, how will it be realised and what is the potential injury?)	2 At Risk	Risk 3 Severity	Risk 4 Probability	Risk 5 Risk	6 Control Measures	7 How will controls be checked and by whom *How will each control be checked e.g., checklists, health surveillance, monitoring inspections?*	Risk 8 Severity	Risk 9 Probability	Risk 10 Risk	11 Confirmed all in place of further action required (✓ or FAR)
Electric shock from battery pack from improper use	E	3	4	12	• Operator to use the battery pack in line with the tool manufacturer's guidance • Battery pack to be charged only with suitable charger • Pre use visual inspection of the tool should include correct mounting of battery pack • Battery packs to be kept dry and clean	• PFL operatives to follow pre use and daily check routine. • PFL management to inspect tools on weekly basis	4	1	4	
Rotating parts causing entanglement, contact with moving parts and drawing in. Cuts, abrasions, amputations	E	4	3	12	• Ensure all loose clothing, hair and toggles are securely tied back prior to work commencing. • Ensure where possible access to rotating parts is restricted.	• Appropriate cutting stations will be provided by PFL as required.	4	1	4	
Electricity, damaged cables, casing, or plug. Electric shock and burns	E	5	3	15	• Ensure all portable appliances are tested. • Operative to complete pre use inspections on tools and cables. • Operatives to inform management of damaged tools and take out of use until repaired. • Ensure tools are connected to a tested circuit. • Position transformer next to any 240v power supply and trail the 110v cable. • Centre tapped transformers to be used. • Use battery powered tools were possible.	• PFL operatives to follow pre use and daily check routine.	5	1	5	
Breaking cutting implement causing ejected material. Eye injury, impact injury.	E	4	4	16	• Impact resistant eye protection to be worn if cutting hard / brittle materials that are likely to eject partials. • Heavy long-sleeved clothing to be worn if ejected particles are expected to be hot.	• PPE to be issued and replaced as required by PFL. • PPE registers in effect • Cutting stations will be	4	1	4	

At Risk (column 2)	**Severity** (column 3 and 7)		**Probability** (column 4 and 8)		**Risk Rating** (column 5 and 9)		
E - Employees	1	No Injury, property damage	1	Very Unlikely	Severity X Probability = **1 to 5**	**Low**	**Y** – acceptable risk, work can start
C - Contractors	2	Minor Injury	2	Unlikely			
V - Visitors	3	+7 Day Absence	3	Likely	Severity X Probability = **6 to 14**	**Med**	**Y or N** – may need further consideration
P - Public	4	Specified Injury	4	Very Likely			
A - All	5	Death	5	Virtually Certain	Severity X Probability = **15 to 25**	**High**	**N** – Unacceptable risk Do not start work

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						implemented in agreement with PC.				
Exposure to high or prolonged noise levels. Temporary or permanent hearing problems.	E				• See Noise assessment	• Cutting stations will be implemented in agreement with PC.				
Contact with vibrating tools. Hand arm vibration syndrome.	E				• See Vibration Assessment	• PFL to monitor vibration exposure on daily basis and mitigate as required. • Rotate tasks for operatives to minimize potential exposure values				
Trailing cables causing slips trips and falls. Sprains strains and breaks.	A	3	4	12	• Position cables off traffic routes, pin up were possible. • Restrict access from others to the work area.	• PFL management and operatives to minimise where possible by elevating cables using sky hooks or similar system	3	1	3	
Damage to equipment causing exposure to live contacts, increased vibration, Electric shock, HAVS	E	5	2	10	• Check the casing for cracks and to ensure that it is securely held together. • Check the cable for abrasions or deep cuts. • Check that the shroud on the cable at the socket and casing is in place. You should not be able to see any wires inside the outer sleeve. • Listen to the equipment when it is operating to assess if it is running properly • If there is and damage or doubt about the equipment, **do not use it,** and effectively withdraw it from service until replaced.	• PAT testing to electrical equipment will be carried out as required by PFL site management to ensure compliance • Pre-use inspections to be carried out by PFL operatives and any damage found will be reported immediately to site management.	5	1	5	

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Damaged equipment coming on to site causing exposure to live contacts, increased vibration, Electric shock, HAVS	E	5	3	15	• Site management to inspect and record all work equipment (contractors, hired or company) coming onto the site and not to allow any damaged equipment to be used. • Ensure user visual inspections are completed prior to use. • Formal inspections by managers or safety advisers are to complete inspections on equipment during site inspections and visits. • Ensure Formal inspection and testing (PAT) is completed on all construction equipment in line with the Site Manager's assessment.	• Pre-use inspections to be carried out by PFL operatives and any damage found will be reported immediately to site management. • PFL to use only approved supplier for the specific tools which will be demonstrated with supplier pre-delivery check	**5**	**1**	**5**	

Further Actions *(Further control measures that could be implemented to improve safety)*		**Actioned by:** **Date:**
Additional Comments *(Actions identified by personnel on site to make the task safer)*		
Authorised by The Responsible Manager	**Name:** **Position:** **Signature:**	**Date:**

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