

Probuild

Innovative Construction. Specialist Brick, Block and Stonework.

Company Name: Heritage Probuild Ltd
Assessment carried out by Thomas Bone

Date of assessment: 1st July 2023
Date of next assessment: 1st July 2024

Clipper CM401 (petrol) & Husqvrana TM350 (electric) Masonry Saw Risk Assessment

Hazard	Hazard Effects	Who might be harmed?	What Probuild are doing to prevent hazard from occurring.	Action to be carried out by
Contact with moving parts of machinery	Struck-by injuries/fatality.	Employees undertaking work	<ul style="list-style-type: none">Any employee operating the saw will have undergone appropriate training for the safe use and limitations of such equipment.All rotating power transmission components on the machine will be fully fenced using fixed guards. The top guard and rip fence will be freely adjustable over the full range of work for which they are designed. The rip fence will be positioned to give adequate work piece support during cutting operations.To reduce the risk of contact with the saw blade running down, the machine has been fitted with an emergency stop control and braking device that brings the blade to rest within 10 seconds. The machine is fully enclosed beneath the table. Where possible, a demountable power feed will be used.Prior to the operation of the machine, operators will ensure the correct operation of all safety devices including guarding and the provision of a push stick of 450mm in length in a safe storage position.	Thomas Bone
Ejection of parts and materials	Struck-by injuries/fatality.	Employees undertaking work and others in the workshop	<ul style="list-style-type: none">During operations the top guard will be positioned in accordance with manufacturer's guidance and safe working practices. This will reduce the area of exposed blade and parts too as minimal as possible. The top guard will be adjusted as close as possible to the surface of the work piece. Operators will assess the hazard to others resulting from their use of the machine and ensure their safety at all times when the machine is in use. During operations employees will wear safety glasses.The Company will ensure that the blade is kept sufficiently sharp	Thomas Bone

			<p>and in an undamaged state, by planned maintenance and ensure any deterioration in its condition is detected. All persons affected will be informed of the hazards and associated risks involved.</p> <ul style="list-style-type: none"> • Employees will inform the supervisor upon discovery of any blunt or damaged equipment. 	
Entanglement	Serious injuries/fatality.	Employees undertaking work	<ul style="list-style-type: none"> • Employees will ensure that all loose clothing to be secured and long hair tied back during the operation of the machine. 	Thomas Bone
Noise	Associated ill health effects.	All persons within workshop	<ul style="list-style-type: none"> • The saw will be assessed for noise levels and all operatives concerned will be advised of controls to be followed. • Employees must wear hearing protection during the use of the machine. Any person remaining within the immediate area must also wear hearing protection. 	Thomas Bone
Dust inhalation	Associated ill health effects.	All persons within workshop	<ul style="list-style-type: none"> • All of our masonry saws are fitted with dust suppression equipment. A water pump feeds a regular flow of water down over the abrasive wheel/blade and prevents dust from being emitted. • An FFP3 dust and vapour rated mask will also be provided. 	Thomas Bone
Electrocution	Serious injuries/fatality and associated ill health effects.	Employees undertaking work	<ul style="list-style-type: none"> • The Company will ensure that the saw is inspected and electrically tested at regular intervals by a competent person. • Operators will report any defect or deficiency on the machine to the supervisor upon discovery. • Leads are to be kept up off the ground on lead stands to prevent any damage to the cables from forklifts etc. 	Thomas Bone
Slips, trips and falls	Serious injuries/fatality.	All persons within workshop	<ul style="list-style-type: none"> • The area around the saw will be maintained level and clear of any debris, off-cuts and stock storage with materials positioned to minimise trip hazards. Employees are required to ensure the tread on their safety footwear remains suitable. • The supervisor shall ensure that adequate lighting is provided and maintained at the operating areas of the machine. • All leads/cables are to be kept off the ground on lead stands. 	Thomas Bone

Manual handling	Serious injuries and associated ill health effects.	Employees undertaking work	<ul style="list-style-type: none"> Mechanical aids will be used to transport materials to as close as possible to the work area. Employees have been advised on lifting techniques for manually lifting loads and will use kinetic handling principles. 	Thomas Bone
Unauthorised use	Serious injuries/fatality.	All persons within workshop	<ul style="list-style-type: none"> Only trained and authorised competent persons, who are over 18 years of age, shall be permitted to operate or attend the saw. When not in use the machine will be isolated and padlocked off with the key removed. 	Thomas Bone
Maintenance (Cleaning and replacement of blade and damaged moving parts)	Serious injuries/fatality.	Employees undertaking work	<ul style="list-style-type: none"> Prior to maintenance works, the power will be isolated with the machine padlocked off and the key removed. The blade can then be removed for maintenance or replacement. The operator will then refit the blade and configure all guards and safety devices in accordance with manufacturer's guidance and with respect to the material to be cut. The padlock will then be removed with the power re-energised at the machine. A trial cut will then be undertaken, using the push stick where appropriate, to ensure correct alignment of blade, and configuration and position of guards and fences. 	Thomas Bone
Fuel Spillage	Fire, slips and trip hazard	All persons within workshop	<ul style="list-style-type: none"> Saws to be set on level ground and positioned on a drip tray. This will collect any spillage/leakage from the fuel tank. 	Thomas Bone
Inhalations of exhaust fumes.	Nauseous and associated ill health effects.	Employees undertaking work	<ul style="list-style-type: none"> Operation of petrol masonry saw to be used in a well-ventilated area supplied with a FFP3 rated dust and vapour mask. Preventing intoxication etc. 	Thomas Bone

Signed

Print Name: Thomas Bone, Director

Date 01/07/2023