

Hazard/Risk Assessment Profile: **Sanitary Plumbing**

Steps	Job activity tasks	Possible Hazards “What can harm you?”	Risk “What can happen?”	Risk Score	Safety controls “What can you do?”
1	General planning	Inadequate training / planning	Task specific injuries due to inexperience or failure to provide appropriate equipment	1	<ul style="list-style-type: none"> Sufficient skills (competency to complete the required task) Adequate competent supervision Planning for required equipment carried out Using the appropriate equipment and PPE for the task
2	Establishment of site	Poor access	Slips, trips and falls	2	<ul style="list-style-type: none"> Access to work area difficult or cluttered (good housekeeping)
			Manual handling injuries	3	<ul style="list-style-type: none"> Do not attempt to lift heavy unit use suitable lifting equipment
		Working at height	Fall from edge of or through roof	1	<ul style="list-style-type: none"> Use appropriate work platforms and safety harness and safety equipment Conduct a hazardous substance survey prior to commencement of work
		Working in roof space or under floors	Confined space	2	<ul style="list-style-type: none"> Ventilate work area and use confined space procedure
3	Using Power tools	Tool is unsafe or cords damaged	Electric shock / electrocution	1	<ul style="list-style-type: none"> Check condition of power tool before using Check power tool and extension leads display current test tag Operator is trained in correct use of power tool and is confident in the care and use of the power tool Residual current device is utilised correctly Elevate power leads in the work area Power tools and leads stored correctly and kept dry Use the appropriate PPE for the task
4	Manual handling	Lifting weights and forces	Strains and sprains; injuries such as back damage	2	<ul style="list-style-type: none"> Follow the manual handling code of practice The principles of good lifting need to be applied. These are; <ul style="list-style-type: none"> Avoid twisting back when lifting and hold the load close to the body Bend knees when lifting objects from low levels (utilise leg muscles) The weight of the load must be considered in relation to other key risk factors including. frequency and duration, distance moved and characteristics of the load and that the load is checked for contents, height, dimensions and ease of handling Use the appropriate PPE for the task

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5	Chasing brickwork	Electric cutting saw	Electric shock / electrocution		• Use of power tools refer above (step 3)
		High speed rotating saw / blade	Serious cut	1	• Operator is trained in correct use of power tool and is confident in the care and use of the power tool
		Grit or brick splinters flung out by saw or chisel	Grit or brick splinter in eye/s	2	• Provide a clean and uncluttered work area (good housekeeping) • Use principles of good lifting and refer to manual handling (step 4)
		Dust and noise	Hearing and lung damage	2	• Ventilate work area and use confined space procedure
		Miss hit with hammer	Hand injury	3	• Use the appropriate PPE for the task.
		Live electricity	Electrocution	1	• Isolate the electricity supply • Use the appropriate PPE for the task
6	Drilling and or checking out timber and steel studs	Electric saw or drill	Electric shock / electrocution		• Use of power tools refer above
		Live electricity	Metal filings in eye/s	1	• Isolate the electricity supply • Use the appropriate PPE for the task
7	Working in ceiling or under floors	Dust and other fibres in roof and floor cavity	Inhalation respiratory disease	1	• Use of power tools refer above (step 3) • Use disposable overalls/suit • Provide adequate lighting
			Confined space	1	• Ventilate work area and use confined space procedure
8	Installing and or repairing sanitary plumbing from the sewer to fittings within building	Poor access	Slips, trips and falls	2	• Provide a clean and uncluttered work area (good housekeeping)
			Manual handling injuries	3	• Use principles of good lifting and refer to manual handling above
		Working at height	Falls into trench	2	• Provide barriers and controls to eliminate the fall hazard
		Working in roof space	Fall from edge of or through roof	1	• Use appropriate work platforms and safety harness and safety equipment • Provide adequate lighting
		Working under floors	Confined space		• Ventilate work area and use confined space procedure
9	SWV pipe	Cutting SWV pipe	Cuts and abrasions	3	• Use mitre box and staple support
		Using priming fluid	Hand infections	3	• Refer material safety data sheet
		Using solvent cement			• Use the appropriate PPE for the task • Ventilate work area and use confined space procedure
		Manual handling	Manual handling injuries	3	• Use principles of good lifting and refer to manual handling above • Use the appropriate PPE for the task

10	Copper tube	Hot work (soldering)	Burns	2	<ul style="list-style-type: none"> • Clear work area to work safely, cool completed pipework • Secure flammables properly, heating and soldering procedures • Proper use and care of LP, oxy/acetylene (hoses, gauges, bottles)
		Using fluxes	Hand infections	3	<ul style="list-style-type: none"> • Refer material safety data sheet
		Manual handling	Manual handling injuries	3	<ul style="list-style-type: none"> • Use principles of good lifting and refer to manual handling above • Use the appropriate PPE for the task
11	Cast iron pipe	Cutting cast iron pipe	Cuts and abrasions	3	<ul style="list-style-type: none"> • Operator is trained in correct use of power tool and is confident in the care and use of the power tool
			Manual handling injuries	3	<ul style="list-style-type: none"> • Use principles of good lifting and refer to manual handling above • Use the appropriate PPE for the task
12	Testing pipework, inspect and observe for water leaks	Water spillage	Slips	3	<ul style="list-style-type: none"> • Mop up all water spills • Use the appropriate PPE for the task

Class 1: Death or permanent disability

Class 2: Serious Injury / lost time

Class 3: Minor injury, no lost time

All risks have the potential to cause death, permanent disability, serious injury or minor injury. The risk score is an approximation of the average incident.