Risk Assessment - Working with Cement & Lime

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Working with hand mixed cement & lime

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Skin or eye damage plus inhalation of dusts Contact with materials	Volunteers & Staff	1) CRITICAL - Administrative: COSHH Assessments to be available for all materials as required - Effective 2) CRITICAL - Administrative: Consider the wind direction when using powdered materials - Effective 3) CRITICAL - Administrative: Wash any contaminated areas with plenty of water immediately. - Effective 4) CRITICAL - Administrative: Be aware for the potential of burns from wet concrete and clean and wash any affected areas immediately. - Effective 5) CRITICAL - PPE: Wear gloves, eye protection, overalls and dust mask when powders are present. - Effective 6) CRITICAL - PPE: Have eye wash bottles available for use. - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	1) Administrative: Consider the impact on others before commencing work - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Score and Control Measure Notes.
Low risk due to nature of materials.
Risk remains low

Working with on-site mixed cement and lime

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Personal injury Contact with moving machinery	Volunteers & Staff	1) CRITICAL - Engineering: Equipment to be PATS tested. - Effective 2) CRITICAL - Engineering: 110V machinery only - Effective 3) CRITICAL - Engineering: Equipment mounted on a level surface - Effective 4) CRITICAL - Engineering: Raw materials to be stored away from the direct working area. - Effective 5) CRITICAL - Engineering: Staff to be aware of the weight of equipment and plan lifts. - Effective 6) CRITICAL - Administrative: Volunteers to be trained and competent and confident in the use of the equipment - Effective 7) CRITICAL - Administrative: Trailing hoses and leads to be managed to avoid trip hazards - Effective 8) CRITICAL - Administrative: All staff to have undertaken the GWSR Manual Handling training - Effective 9) CRITICAL - Administrative: COSHH assessments in place and followed for cement - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	1) Engineering: Consider use of RCD protection. - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Score and Control Measure Notes.
Risk low if control measures followed.
Risk remains low.

Working with concrete pump delivered cement and lime

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Personal Injury Contact with moving machinery	Volunteers & Staff	1) CRITICAL - Administrative: Contractors to be inducted and forms completed - Effective 2) CRITICAL - Administrative: Contractors to supply their own risk assessments - Effective 3) CRITICAL - Administrative: GWSR staff to keep away from contractor mixing equipment - Effective 4) CRITICAL - Administrative: GWSR staff to be competent to assist with spreading, levelling and vibrating the discharged concrete - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	n n n	n/a

COSHH Assessments

The following COSHH assessments are applicable to this risk assessment:

• COSHH-44518-24 - Portland Cement Powder

Ends

Appendix



Reference: UI-44518-585
Cement Mixer -