

Risk Assessment

Activity: Concreting contact on site	Reference: RA076
Task Description:	
Assessor: Andrew Shaw	Date: 26/04/2017

Assessment of Risk

Hazard	Likelihood	Severity	Risk
Exposure to cement dust	Med	Low	Low
Shovelling materials	Low	Low	Low
Handling heavy / bulky materials	Med	Med	Med
Contact with rotating drum	Low	Med	Low
Entanglement with blades when mixing / cleaning	Low	Med	Low
Fall of loose concrete	Med	Med	Med
Contact with wet concrete	Med	Low	Low
Contact with machinery / components	Low	Med	Med
Entanglement in reinforcement	Med	Low	Low
Contact with sharp edges	Med	Low	Low
	L M H	L M H	L M H
	L M H	L M H	L M H
	L M H	L M H	L M H
	L M H	L M H	L M H
	L M H	L M H	L M H
	L M H	L M H	L M H

Hazard	Likelihood	Severity	Risk
	L M H	L M H	L M H
	L M H	L M H	L M H
	L M H	L M H	L M H
	L M H	L M H	L M H

People at Risk

Workers

Adjacent Workers

Site Wide Personnel

Occupants

Visitors

Members of Public

Other:

Controls

Risk	Control Measures
Reaction of skin to contact with cement / additives	Gloves to be worn when handling cement / additives. COSHH Assessment to be carried out and communicated to all operatives. Hand washing facilities to be available on site. Refer to COSHH assessment for details of hazards associated with cement and additives.
Inhalation of cement dust	Dust masks to be worn whilst loading cement into mixer unless adequate ventilation is available. COSHH Assessment to be carried out and communicated to all operatives.
Contact with machinery / components	All equipment to be serviced and maintained in line with manufacturers recommendations. Any faults to be reported to management immediately and the equipment taken out of use. Mixer to be placed in area where others are kept away from rotating parts. All rotating parts – belts, pulleys etc. to be guarded. No hand tools such as shovels, sticks etc to be used in drum whilst mixing is in operation. Mixer to be stopped and disconnected from power supply before cleaning is undertaken. Mixer to be sited on flat level ground without resorting to packing of feet. Mixer to be mounted on wheels to ease movement around site. All equipment to be 110 volt and PAT tested regularly.
Handling heavy / bulky materials	Two-man lift to be used when unloading mixer and putting onto stand. All employees trained in manual handling techniques. Manual handling assessment carried out for handling of wet and dry concrete materials, e.g. when loading mixer and when pouring and shovelling concrete into position. Mixer to be mounted on wheels to ease movement around site. Half bags to be used wherever possible – full bags to be split in two before loading into mixer. Two persons to undertake tipping of large mixes.
Falls of loose concrete / lifting operations	Doors, guards, formwork and falsework to be properly closed, guarded and secured to prevent falls of loose concrete during lifting operations. Do not overfill form/falsework with materials. Lifting plan to be in place when using cranes or other lifting equipment to raise materials. Segregate all areas where overhead work is in operation.
Entanglement / contact with reinforcement	Only competent and trained operatives to carry out machine bending and/or cropping of reinforcement materials. Mechanical means of lifting and placing reinforcement to be used when practicable. Boards planed over reinforcement to provide access and working areas with sufficient edge protection installed if required. Gloves, boots and full leg and arm coverings to be worn when working near reinforcement due to sharp edges.

Assessment of Remaining Risk

Very Low

safe to proceed work to control measures

Low

safe to proceed with caution

Medium

safe to proceed with further controls

High

proceed under further controls and supervised

Very High

unsafe DO NOT proceed - further action needed

Further Action Required

Action Required	Action Timeframe	Date Completed	Completed By
Ensure adequate supervision is provided and that control measures remain valid for the duration of the works.	Ongoing		
Safe systems of work are provided and issued to all staff and training provided in their use.	1 Week Refresh at Inductions		
All staff to be trained in the importance and use of correct Personal Protective Equipment and wearing of the correct PPE a condition of employment	1 Week Refresh at Inductions		
COSHH Assessment to be communicated to workforce for hazardous substances e.g. cement	2 Weeks Refresh at Inductions		

Acknowledgement

By signing this form you confirm that you have read and understood the risk assessments outlined and associated safe methods of work, are competent to undertake the work, and that you agree to comply with the safe working procedures in place to minimise the hazards present for the activities undertaken.

Name	Signature	Date
Andrew Shaw		26/04/2017