

Concrete, Cement and Mortar — Risk Assessment

Site-specific. Complete, sign, review. Delete rows that do not apply.

Assessor: _____ Site: _____ Date: _____ Review due: _____

Hazard	Who is harmed and how	Controls required	Further action	Done
Kneeling or standing in wet concrete	Anyone laying or finishing. Full thickness chemical burns, often needing skin grafts	Waterproof trousers and knee pads. Never kneel directly in it. Change out of contaminated clothing immediately		
Wet cement inside boots or gloves	Wearer. Deep burns to feet and hands	Boots and gloves with adequate cuffs. Remove and wash immediately if contaminated. Never tuck trousers into boots		
Skin contact over a working day	Anyone handling. Irritant and allergic contact dermatitis, sometimes career-ending	Waterproof gloves with long cuffs, changed when contaminated. Barrier and after-work creams. Wash with warm water and soap		
Cement or concrete in the eyes	Anyone nearby. Serious eye injury, possible blindness	Eye protection. Irrigate immediately for at least 20 minutes and get medical help		
Dry cement dust and silica	Anyone mixing or sweeping. Silicosis, COPD	Control the dust. Do not dry sweep. Vacuum or wet methods		
Manual handling of bags and barrows	Handler. Back and shoulder injury	Mechanical aids, smaller bags, two person lifts		
Formwork or falsework failure during a pour	Everyone nearby. Crush, drowning in concrete	Designed and checked by a competent person. Inspected before the pour. Nobody under or inside		
Concrete pump and line whip or blockage	Operators and nearby workers. Severe injury	Trained operators. Exclusion zone. Never clear a blockage under pressure		
Not recognising a burn because it does not hurt	The worker. Injury far worse by the time it is noticed	Train them that it is often painless at first. Check skin at the end of every pour		

Assessor	Reviewed by	Date	Review due

Scope and limitations — read before use

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