

SIL-01

Silica and Dust Control — 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
Cutting, grinding or drilling concrete, stone, brick, block, tile or screed dry	Operator and everyone nearby. Silicosis, COPD, lung cancer. Irreversible and often fatal	DO NOT DRY CUT. Water suppression or on-tool extraction (M or H class) every time. Where control is still not adequate, RPE in addition, never instead		
The dust you cannot see	Everyone in the area. The dangerous fraction is invisible	A visible cloud means it is already very bad. Control by the process, not by what you can see		
Working indoors or in an enclosed space	Everyone present. Massively increased concentration	Extraction plus ventilation. Consider stopping the work and doing it outside or off site		
Ill-fitting or wrong RPE	Wearer. No protection at all	Face fit testing for every tight-fitting mask, on the actual person, recorded. Clean shaven at the seal		
Contaminated clothing and dry sweeping	Worker, family at home, everyone in the workplace	Never dry sweep and never use compressed air. Vacuum to M or H class or wet methods. Overalls not taken home		
LEV not working or never tested	Everyone relying on it. False sense of protection	Thorough examination and test normally at least every 14 months. Daily user checks. Records kept		
No health surveillance	Workers. Disease found only when irreversible	Health surveillance where required, records kept 40 years		
Bystanders and other trades	Anyone nearby, often with no PPE at all	Exclusion zones, screening, scheduling to avoid other trades		

Assessor	Reviewed by	Date	Review due

Scope and limitations — read before use

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