

SIL-04

Silica and Dust Control — Training Delivery Pack

Deliver in house. About an hour. No external trainer needed.

This is the session content. Work through it, then test with SIL-05 and assess practically with SIL-06.

1. What it does to you (10 min)

- The dangerous particles are too small to see. A visible cloud means it is already very bad.
- Silicosis is permanent scarring of the lung. It does not improve and it can kill.
- It also causes COPD and lung cancer, and it can appear decades after the exposure.
- Engineered stone worktops are up to about 95% silica against roughly 30% for granite.

2. The hierarchy (10 min)

- COSHH says control the process first. RPE is the LAST line, not the first.
- Water suppression or on-tool extraction. Every time, not just indoors.
- Reaching for a mask and carrying on dry cutting is the classic failure.

3. Doing it properly (20 min, practical)

- Set up the water or extraction before the first cut.
- Show the correct hood position and water feed rate on a real tool.
- M or H class extraction only. Show them the class marking and the filter.
- Demonstrate what happens to visible dust with and without control.

4. RPE and face fit (10 min)

- A mask that has not been fit tested on YOU is not protection.
- Clean shaven at the seal. Stubble breaks the seal.
- Fit check every single time you put it on.
- Take it off outside the dusty area.

5. Cleaning up and health surveillance (10 min)

- Never sweep. Never use compressed air. Both put it straight back in the air.
- M or H class vacuum, or wet methods.
- Do not take overalls home. You take it home to your family.
- Health surveillance is how we catch it early. Records are kept 40 years.

Trainer	Date	Duration	Location

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