

M504 Asbestos and Other Fibres – Practical sessions

1. Air monitoring

Learning objectives: To be able to:-

1. Correctly set up a sampling train for monitoring asbestos fibres in air
2. Set and adjust flow rate using flowmeter
3. Record all relevant sampling information
4. Calculate sample volumes
5. Mount exposed filter onto a slide using an acetone vaporiser

Equipment required

- 1 Sampling pumps capable of being adjusted to give flow rates of between 1 – 4 litres per minute. If possible also pumps capable of up to 8 litres/min
- 2 Asbestos sampling heads (cowled)
- 3 Gridded membrane filters (25mm diameter)
- 4 Tubing
- 5 Flowmeters (rotameters) covering flow rates of pumps
- 6 Flat bladed tweezers
- 7 Microscope slides
- 8 Acetone vaporiser and syringe
- 9 Acetone
- 10 Triacetin (glycerol triacetate)

2. Bulk asbestos sampling

Learning objectives: To be able to:-

1. Safely take a sample of (non-asbestos) pipe insulation
2. Safely take a sample of (non-asbestos) board or cement sheet
3. Describe the type of personal protective equipment required
4. Record all relevant sampling information
5. Undertake initial risk assessment of asbestos products

Equipment required

1. Core cutters
2. Sampling tools (e.g. chisels, screwdrivers, 'Stanley' knife, pliers etc)
3. Water spray bottle
4. Strong fabric adhesive tape
5. Range of sizes of sealable polythene bags
6. Proprietary filler to fill hole from which sample taken
7. Plastic sheeting
8. Type H vacuum cleaner
9. Disposable hooded Type 5 overalls
10. Respiratory protective equipment (P3 filtering facepiece and / or half mask)
11. Asbestos warning labels
12. Pipe insulation (non-asbestos) for sampling practice
13. Insulation board (non-asbestos) for sampling practice

M504 Asbestos and Other Fibres – Syndicate work (no equipment required)

1. Assessment of control measures required for asbestos removal (series of case studies)

Learning objectives: For a range of scenarios to be able to:-

- a. Identify suitable techniques to minimise fibre release
- b. Identify suitable techniques to prevent spread of asbestos fibres
- c. Describe the techniques required for decontamination of the area
- d. Describe suitable procedures for certification of the area for re-occupation

Notes:

1. The case studies are designed so that the course can be run at a hotel / training venue so avoiding the need to see actual (or mock) enclosures. However, if these are available for inspection that could be beneficial.
2. The course is aimed at persons who have responsibility for safely managing asbestos and who may also be required to oversee asbestos removal operatives. It is not a training course in asbestos removal techniques for operatives / supervisors who remove asbestos.