



## Asbestos Sampling Training

### Course Prerequisites

Prior to each asbestos sampling training course; training needs analysis must be undertaken to ensure that the course (included equipment & method) fully meets delegates' requirements.

The course is strictly limited to the collection of samples of suspected Asbestos Containing Materials (ACM).

This course does not teach how to sample higher risk ACMs specifically suspected Asbestos Insulation and sprayed coatings. This course does not include surveying for Asbestos, and those successfully completing this course must not refer to themselves as an Asbestos surveyor.

No prior experience is necessary.

This unit has ten learning outcomes.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
<p><b>The learner should be able to:</b></p>	<p><b>The learner can:</b></p>
<p>1. Identify the properties of asbestos and outline the history of its use</p>	<ul style="list-style-type: none"> <li>a) Identify what the word asbestos refers to</li> <li>b) List the common types of asbestos by colour, nature and name</li> <li>c) Give a brief history of the use asbestos in the United Kingdom</li> <li>d) State when the different asbestos types were banned from use within the UK</li> </ul>
<p>2. Outline the health effects of asbestos</p>	<ul style="list-style-type: none"> <li>a) Identify why the properties of asbestos have such an adverse effect on health</li> <li>b) Outline the reasons for the increasing numbers of asbestos-related deaths, including the latency period of asbestos related diseases</li> <li>c) State the primary cause of asbestos related diseases</li> <li>d) Identify those who are at the most risk from asbestos disease, including from secondary exposure</li> <li>e) List the main types of asbestos-related disease and the parts of the body they effect</li> <li>f) State why there is an increased risk of lung cancer for asbestos workers who smoke</li> </ul>

LEARNING OUTCOMES	ASSESSMENT CRITERIA
<p><b>The learner should be able to:</b></p>	<p><b>The learner can:</b></p>
<p>3. Outline the types, uses and likely occurrence of asbestos and asbestos containing materials (ACMs) in buildings and plant</p>	<ul style="list-style-type: none"> <li>a) State what is meant by ACMs and identify the difference between 'asbestos' and 'ACMs'</li> <li>b) List the types of asbestos and ACMs used in buildings, equipment, plant, etc and identify between which dates this use is most likely to have occurred</li> <li>c) Identify the uses and likely occurrence of asbestos and ACMs in buildings, equipment, plant etc.</li> <li>d) State what is meant by 'friability' and identify the conditions under which various ACMs will release fibres</li> </ul>
<p>4. Identify the main statutory provisions that relate to asbestos</p>	<ul style="list-style-type: none"> <li>a) Identify the main statutory provisions that protect people in the workplace</li> <li>b) Identify the specific asbestos related statutory provisions</li> <li>c) Identify the purpose of asbestos surveys and registers and list the information that they should contain</li> </ul>
<p>5. Demonstrate a knowledge of avoiding the risks from asbestos and non-asbestos hazards</p>	<ul style="list-style-type: none"> <li>a) Outline the requirements / produce a simple risk assessment and plan of works</li> <li>b) This should include as a minimum lone working, working at heights and live services.</li> <li>c) Sampler safety when accessing areas to sample including review of existing asbestos registers</li> </ul>
<p>6. Demonstrate Inspection and Pre-Sampling as part of the safe system of work</p>	<ul style="list-style-type: none"> <li>a) Recognise and use all of the pre-sampling equipment needed as part of working procedures</li> <li>b) Recognise the limitations of this training in relation to insulation and sprayed coating and the avoidance of any disturbance to suspected ACMs</li> <li>c) Sample bag preparation (double bagged &amp; uniquely labelled)</li> <li>d) Cross contamination controls</li> <li>e) Sample point identification</li> </ul>

<b>LEARNING OUTCOMES</b>	<b>ASSESSMENT CRITERIA</b>
<b>The learner should be able to:</b>	<b>The learner can:</b>
7. Take the asbestos sample as part of the safe system of work	<ul style="list-style-type: none"> <li>a) Recognise and use the correct sampling equipment as part of working procedures including smooth jawed pliers and knife.</li> <li>b) Demonstrate dampening of the sample point and sample point repair</li> <li>c) Demonstrate safe transportation and disposal of sampling waste as part of working procedures</li> <li>d) Safe handling and transportation of collected samples</li> </ul>
8. Use Respiratory Protective Equipment (RPE) and Personal Protective Equipment (PPE)	<ul style="list-style-type: none"> <li>a) Recognise the use of appropriate RPE with P3 filter including selection, fit testing and the importance of being clean shaven for close fitting RPE</li> <li>b) Understand the RPE legal requirements</li> <li>c) Carry out the necessary checks and fit the RPE, in accordance with wear period limitations</li> <li>d) Recognise the use of PPE including Cat 3 type 5/6 coveralls</li> <li>e) Understand the PPE legal requirements</li> <li>f) Carry out the necessary checks and fit the PPE</li> </ul>
9. Apply Decontamination Procedures and protocols	<ul style="list-style-type: none"> <li>a) Recognise and apply the decontamination procedures</li> </ul>
10 Know how to deal with emergencies	<ul style="list-style-type: none"> <li>a) Provide examples of emergency situations, both incident / accident based</li> <li>b) Recognise how to deal with specific emergencies in conjunction to working procedures</li> </ul>

#### Outline of Course Content

This course provides the necessary knowledge, understanding and skills to persons who will knowingly take samples of suspected asbestos containing materials during the course of their work activities, i.e. insurers, housing associations. Successful completion of the course will allow candidates to undertake an asbestos sample in accordance with the Control of Asbestos regulations 2012 and all associated Codes of practice

Training is in accordance with Regulation 10 of Work with materials containing asbestos, Control of Asbestos Regulations 2012, Approved Code of Practice and guidance (L143).

An annual refresher should be undertaken, based on a Training Needs Analysis of the individual in accordance with the requirements of Regulation 10 of the Control of Asbestos Regulations 2012.

#### Outline of Proposed Learning Activities / Approach to Delivery

The training will cover the topics in appropriate detail, by means of both written and oral presentation, and by demonstration as necessary.

#### Practical Training

The term practical in this context means hands-on training where delegates practice going through procedures, usually in a simulated environment. For example:

- carrying out decontamination procedures
- trying out RPE to ensure a good face-fit
- taking an asbestos sample
- bagging of waste.

#### Outline of Resources / Bibliography (as appropriate)

- Control of Asbestos Regulations 2012
- L143 – Managing and Working with asbestos
- Asbestos: The survey guide (HSG264)

## TRAINING SYLLABUS

ASBESTOS SAMPLING

11 September 2024

Assessment Methods / Tasks	Assessment Evidence
<p>A question and answer session will be held at the end of each module to ensure each learner has reached the necessary level of understanding.</p> <p>Tutor assessment of learner performance during practical sessions with continual oral feedback.</p> <p>A timed, invigilated, closed-book written examination will be individually completed by each learner at the end of the course, with 90% being the pass mark.</p> <p>The end of course written paper will draw at least 20 short answer and multiple-choice questions from a module-based question bank, to include no less than two questions from each module.</p> <p>Completed exam papers are retained by the course provider</p>	Written Assessment
	<b>Grade Descriptors</b>
	90% pass mark (pass / fail)
	<b>Learner : Trainer Ratio</b>
	Maximum of 10:1
<b>Course Length</b>	
The length of this face to face course is dependent on the training needs analysis of the learner(s) but it is generally expected that a minimum of 1 day (6 hours excluding breaks) (excluding breaks) is acceptable. Shorter duration courses are allowable but this must be robustly supported by the training needs analysis.	