

City & Guilds Deep Excavation (2 Day)

This training product gives an excellent overview of the safety requirements of ground support systems. Commonly used methods of support used in the construction industry are presented.

Key benefits

- Safety awareness of excavations..
- Practical course
- Theory behind excavations, soil mechanics etc
- Identify the correct system for side support
- Flexible delivery methods to meet individual needs.
- To give knowledge of safe methods of supporting excavations.

Aim and Objectives

- Support shallow/medium trenches in a range of ground conditions using timber, trench sheeting and hydraulic trench shoring.
- Determine the safety aspects appertaining to supporting excavations.
- Carry out inspection of ground support systems and complete relevant documentation.
- Carry out striking for ground support systems in a safe working manner.
- Identify main dangers associated with working in excavations.



City & Guilds Deep Excavation including low risk confined spaces (3Day)

Excavations – Ground Support Systems – Practical Exercises

This course is aimed at personnel who have to construct/inspect ground support systems. It includes practical work which involves building a ground support system for a >1.5m deep trench. This course includes low risk confined spaces.

Key benefits

- Provides the necessary skills that are required for personnel that have to construct/inspect ground support systems. (As above)

Aims and Objectives

To give engineers and operatives the knowledge and practical experience of safe methods of support excavations.

- Identify the main points within the CDM 2007 regulations
- List the major causes of excavation failure.
- Present suitable solutions to prevent excavation failure.
- Identify the main dangers associated with working in excavations.
- List the protective clothing/equipment that must be used when working in excavations.
- State the types of ground support systems available and identify the correct method of support for specific ground conditions.
- Discuss and offer practical solutions to operational problems regarding ground support systems.
- Practical exercise to excavate and install a suitable method of support
- Trenches as confined spaces (safety, gas test, evacuation)
- Casualty recovery from a trench
- HSG 47 Avoiding underground services
- HSG 185

