



Abrasive Wheels, Diamond Blades & Silica Dust Awareness

Course Aim

This course is designed to provide the necessary knowledge and skills required to demonstrate the safe fitting of abrasive wheels and diamond blades in accordance with manufacturer's guidance.

The course outlines the requirements for compliance with current legislation and regulations in order to carry out work activities safely. The course also illustrates the risk from exposure to silica dust generated by many common construction tasks including cutting, drilling and grinding.

Who Should Attend?

This course is aimed at those who are required to operate angle grinders (fitted with cutting or grinding wheels), cut-off saws or bench top cut-off saws as part of their daily work activities and specifically users of diamond blades.

Course Duration

This is a 6 hour course.

Certification

Delegates successfully completing the course will be issued with a Certification by C&G after 28 days, which is valid for 3 years.

Requirements

In order to attend this training course good written and spoken English is required.

Agenda

- Legislation, regulations and guidance
- Mounting a wheel / blade
- Inspection, storage & transportation
- Equipment safety
- Silica awareness:
 - risks from silica dust
 - dust management and control solutions
- Effects on health - noise
- Effects on health - hand-arm vibration (HAV)
- Control measures - PPE and RPE
- Practical demonstration - safe fitting of wheels & blades
- Theoretical and practical assessment

Abrasive wheels

- Bonded abrasive products - EN 12413
- Wheel specification & marking system
- Recognising damaged or faulty wheels

Diamond blades

- Blade specification (hard & soft bonds), marking system
- Cutting with blades - wet cutting / dry cutting / safe usage
- Fault diagnosis - undercutting, segment loss, dull blades



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