

ECITB Abrasive Wheels - AW02

Course Description

This half day training course is aimed at anyone who selects, mounts or uses abrasive wheels. The course covers different types of abrasive wheel, diamond blades, pre-use inspection to wheels and tools, hazards, correct PPE, fire control, regulations, correct cutting/grinding techniques and correct selection of wheels.

Course Information

Half Day Course

- > An overview of the HSWA 1974 and how it effects the planning of work with abrasive wheels
- > What are the duties of care placed on employers by PUWER 1998
- > What are the responsibilities placed on employees by PUWER 1998
- > The common causes of accidents with abrasive wheels
- > The common causes of burst wheels
- > The markings found on abrasive wheels
- > The markings found on angle grinders and petrol cutting tools
- > The British marking system that is found on abrasive wheels and how it can be used when ordering new wheels
- > Eye protection what is the best type and why it is needed
- > Hearing protection why it is needed and what style is recommended
- > Dust masks why they are needed and what type is recommended
- > What other PPE is required when using abrasive wheels?
- > The effects on the human respiratory system of RSA Silica and how dust suppression systems can be effective in preventing long term damage
- > What precautions are recommended when using abrasive wheels to prevent fires
- > The safe use of abrasive wheels in confined spaces
- > What are the dangers of HAV when using abrasive wheels and how it can be controlled?
- > What is the difference between old style abrasive wheels and diamond cutting disks?
- > How to avoid blade core failure with diamond cutting disks
- > Daily checks needed on diamond, abrasive and all tools to ensure safe use
- > 10 question multiple choice test
- > Practical Content:
 - > Each candidate will have to select the most appropriate cutting wheel for the task given form the wheels provided
 - > Each candidate will have to correctly mount their chosen wheel onto the wheel
 - > Each candidate will have to perform a before use inspection on both the wheel and the tool
 - > Each candidate will have to use the grinding wheel using the safe system of work given by the instructor

Candidates will be assessed on their competence by the instructor throughout the practical session