

Title:	Operating equipment in support of the abrasive blast cleaner in the workplace	
Level:	2	
Value for TQT:	90	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when operating equipment in support of the abrasive blast cleaner.	1.1	Interpret and extract relevant information from drawings, specifications, current regulations, schedules, risk assessments method statements and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: drawings, specifications, current regulations, schedules, risk assessments, method statements, manufacturers' information, official guidance and current regulations governing buildings associated with occupational requirements.
2 Know how to comply with relevant legislation and official guidance when operating equipment in support of the abrasive blast cleaner.	2.1	Describe their responsibilities regarding, potential accidents, health hazards, people and the environment, whilst working: – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, operative and vehicles.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
	2.4	Describe the types of fire extinguishers available when operating equipment in support of the abrasive blast cleaner and describe how and when they are used.

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3 Maintain safe and healthy working practices when operating equipment in support of the abrasive blast cleaner.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when operating equipment in support of the abrasive blast cleaner.
	3.2	Demonstrate compliance with given information and relevant legislation when operating equipment in support of the abrasive blast cleaner in relation to all of the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health.
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to operating equipment in support of the abrasive blast cleaner and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.

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4	Select the required quantity and quality of resources for the methods of work to operate equipment in support of the abrasive blast cleaner.	4.1	Select resources associated with own work in relation to materials, tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – materials for protecting and masking the work area – blast cleaning equipment – blast media – lighting and signage – plant and access equipment – hand tools, power tools, surface profile testing equipment and ancillary equipment.
		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and methods of work.
		4.7	Describe how to calculate quantity including length, area and wastage of materials associated with the method and procedure to operate equipment in support of the abrasive blast cleaner
5	Minimise the risk of damage to the work and surrounding area when operating equipment in support of the abrasive blast cleaner.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy work space.
		5.3	Dispose of waste in accordance with current legislation.

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	5.4 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.	5.5 Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance
6 Complete the work within the allocated time when operating equipment in support of the abrasive blast cleaner.	6.1 Demonstrate completion of the work within the estimated, allocated time.	6.2 Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to operate equipment in support of the abrasive blast cleaner to the required specification.	7.1 Demonstrate the following work skills when operating equipment in support of the abrasive blast cleaner: <ul style="list-style-type: none"> – assembling, preparing, loading, operating, protecting, communicating. 	7.2 Use, clean and maintain hand and power tools, material supply equipment and ancillary equipment.
	7.3 Operate abrasive blast cleaning equipment in support of the abrasive blast cleaner to the given working instructions, relating to the following: <ul style="list-style-type: none"> – preparing abrasives – loading the system – monitoring and maintaining supply. 	7.4 Shut down and clean the abrasive blast cleaning equipment: <ul style="list-style-type: none"> – implement shut down procedures – temporary shut down – final shut down and clean out abrasive blast cleaning equipment

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7 Continued	<p>7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – establish access requirements – assemble component parts – identify and prepare abrasives – load hoppers – operate, monitor and maintain (during use) the abrasive blast cleaning equipment – shut-down, clean and store equipment – apply and remove protective and masking products to maintain the integrity of the work – provide information for Building Information Modelling (BIM) – recognise and determine when specialist skills and knowledge are required and report accordingly – identify and follow manufacturers' instructions – work around and in close proximity to plant and machinery – direct and guide the operations and movement of plant and machinery – inspect and use access equipment – work at height – use hand tools, power tools and ancillary equipment 	
	7.6 Describe the needs of other occupations and how to effectively communicate within a team when operating equipment in support of the abrasive blast cleaner.	
	7.7 Describe how to maintain the tools and equipment used when operating equipment in support of the abrasive blast cleaner.	

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Additional information about this unit	
Assessment requirements or guidance specified by a sector or regulatory body (if appropriate)	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	40
Assessment hours	10