

Erecting basic external stonemasonry in the workplace

Reference : R/617/2434

Level : Level 2

Credit Value : 38

Guided Learning Hours : 140

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in erecting basic external stonemasonry in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when erecting basic external stonemasonry.	<p>1.1 - Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments and manufacturers' information.</p> <p>1.2 - Comply with information and/or instructions derived from risk assessments and method statements.</p> <p>1.3 - Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 - Describe different types of information, their source and how they are interpreted in relation to: –drawings, specifications, schedules, method statements, risk assessments, technical information and appropriate regulations and current regulations governing buildings.</p>
2	Know how to comply with relevant legislation and official guidance when erecting basic external stonemasonry.	<p>2.1 - Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: –in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 - Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 - Explain what the accident reporting procedures are and who is responsible for making reports.</p>
3	Maintain safe and healthy working practices when erecting basic external stonemasonry.	<p>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 erecting basic external stonemasonry.</p> <p>3.2 - Demonstrate compliance with given information and relevant legislation when erecting basic external stonemasonry in relation to the following: –safe use of access equipment –safe use, storage and handling of materials, tools and equipment –specific risks to health.</p> <p>3.3 - Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to erecting basic external stonemasonry and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: –collective protective measures –local exhaust ventilation (LEV) –personal protective equipment (PPE) –respiratory protective equipment (RPE).</p> <p>3.4 - Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.</p> <p>3.5 - Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, occupational injuries and other task-related activities.</p>
4	Select the required quantity and quality of resources for the	4.1 - Select resources associated with own work in relation to

	<p>methods of work to erect basic external stonemasonry.</p>	<p>materials, components, tools and equipment. 4.2 - Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: –prepared standard stone components –fine aggregates, cement, lime, additives, damp barriers, cavity trays, fire stops –frames, lintels, insulation –non-ferrous fixings, shims and spacers, load bearing support and restraint systems –mechanical lifting systems and accessories –hand tools, portable power tools and ancillary equipment. 4.3 - Describe how the resources should be used correctly and how problems associated with the resources are reported. 4.4 - Explain why the organisational procedures have been developed and how they are used for the selection of required resources. 4.5 - Describe any potential hazards associated with the resources and methods of work. 4.6 - Describe how to calculate quantity, length, area and wastage associated with the method/procedure to erect basic external stonemasonry.</p>
<p>5</p>	<p>Minimise the risk of damage to the work and surrounding area when erecting basic external stonemasonry.</p>	<p>5.1 - Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. 5.2 - Minimise damage and maintain a clean work space. 5.3 - Dispose of waste in accordance with current legislation. 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, manufacturer's information, statutory regulations and official guidance.</p>
<p>6</p>	<p>Complete the work within the allocated time when erecting basic external stonemasonry.</p>	<p>6.1 - Demonstrate completion of the work within the allocated time. 6.2 - Describe the purpose of the work programme and explain why deadlines should be kept in relation to: –types of progress charts, timetables and estimated times –organisational procedures for reporting circumstances which will affect the work programme.</p>
<p>7</p>	<p>Comply with the given contract information to erect basic external stonemasonry to the required specification.</p>	<p>7.1 - Demonstrate the following work skills when erecting basic external stonemasonry: –measuring, marking out, cutting, drilling, lifting, positioning, securing and finishing. 7.2 - Use and maintain hand tools, portable power tools and ancillary equipment. 7.3 - Install mechanical fixings, temporary or permanent shims and spacers, temporary or permanent load bearing support and restraint systems, DPM, cavity trays, insulation and fire stops. 7.4 - Erect basic external stonemasonry using prepared standard stonemasonry components to given working instructions with: –straight walling, returns and rakes –openings –quoin, jamb and cill stones –copings –joint finishes and/or expansion and compression joints. 7.5 - Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: –use prepared basic stone components –cut for fixing cramps and dowels –lift and position prepared stones –erect straight walling returns and rakes –form openings –use prepared quoin, jamb, cill stones and coping –mix mortars to specification –form joint finishes –form expansion and compression joints –cut and drill stone components to receive mechanical fixings –drill background surfaces to receive fixings –lift and position stone components using manual and mechanical lifting systems</p>

	<ul style="list-style-type: none">-install mechanical fixings, temporary/permanent shims and spacers, temporary/permanent load bearing support and restraint systems, DPM, cavity trays, insulation and fire stops-fix stone components with load-bearing support and restraint systems-align cladding using shims and spacers-remove temporary shims and spacers-bed and joint or leave for others to seal-use hand tools, portable power tools and ancillary equipment-work at height-use access equipment. <p>7.6 - Describe the needs of other occupations and how to communicate effectively within a team when erecting basic external stonemasonry.</p> <p>7.7 - Describe how to maintain the tools and equipment used when erecting basic external stonemasonry.</p>
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Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

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 Strategy. Workplace evidence of skills cannot be simulated.