# Unit 693 Repairing sheeting and cladding systems on roofs and walls, including rainscreen, in the workplace

20 credits

**Level:** 2
**UAN:** R/507/2775

**Unit aim:**
This unit aims to provide the learner with the necessary skills and knowledge to:

- interpret information
- adopt safe and healthy working practices
- select materials, components and equipment
- repair defects in existing roof sheeting and cladding work.

*PER – Portfolio evidence reference SO – Site observation OQ – Oral question WQ – Written question WT – Witness testimony
PS – Product supplementary PD – Professional discussion

**Assessment criteria that are practical activities are highlighted in bold.**

| 1. Interpret the given information relating to the work and resources when repairing sheeting and cladding systems on roofs and walls, including rainscreen. | | | | | | | |
|---|---|---|---|---|---|---|---|
| You must be able to: | *PER | SO | OQ | WQ | WT | PS | PD |
| **1.1 interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments 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: | | | | | | | |
| a. drawings | | | | | | | |

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|---|---|---|---|---|---|---|---|
| b. specifications | | | | | | | |
| c. schedules | | | | | | | |
| d. method statements | | | | | | | |
| e. risk assessments | | | | | | | |
| f. manufacturers' information | | | | | | | |
| g. oral and written procedures | | | | | | | |
| h. site inductions | | | | | | | |
| i. current regulations governing buildings and official guidance associated with the repair of sheeting and cladding systems. | | | | | | | |

| 2. Know how to comply with relevant legislation and official guidance when repairing sheeting and cladding systems on roofs and walls, including rainscreen. | | | | | | | |
|---|---|---|---|---|---|---|---|
| You must be able to: | *PER | SO | OQ | WQ | WT | PS | PD |
| 2.1 describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: | | | | | | | |
| a. in the workplace | | | | | | | |
| b. in confined spaces | | | | | | | |
| c. at height | | | | | | | |
| d. with tools and equipment | | | | | | | |
| e. with materials and substances | | | | | | | |
| f. with movement and storage of materials | | | | | | | |
| g. by manual handling and mechanical lifting and with mechanical access equipment | | | | | | | |
| 2.2 describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative | | | | | | | |
| 2.3 explain what the accident reporting procedures are and who is responsible for making reports. | | | | | | | |

| 3. maintain safe and healthy working practices when repairing sheeting and cladding systems on roofs and walls, including rainscreen. | | | | | | | |
|---|---|---|---|---|---|---|---|
| You must be able to: | *PER | SO | OQ | WQ | WT | PS | PD |
| **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 repairing sheeting and cladding systems on roofs and walls, including rainscreen.** | | | | | | | |
| **3.2 demonstrate compliance with given information and relevant legislation when repairing sheeting and cladding systems on roofs and walls, including rainscreen, in relation to the following:** | | | | | | | |
| **a. safe use of access equipment and working platforms** | | | | | | | |
| **b. safe use, storage and handling of materials, tools and equipment** | | | | | | | |
| **c. 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 repairing sheeting and cladding systems on roofs and walls, including rainscreen, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: | | | | | | | |
| a. collective protective measures | | | | | | | |
| b. personal protective equipment (PPE) | | | | | | | |
| c. respiratory protective equipment (RPE) | | | | | | | |
| 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, falls, rescue procedures and other task-related activities. | | | | | | | |

| 4. Select the required quantity and quality of resources for the methods of work to repair sheeting and cladding systems on roofs and walls, including rainscreen. | | | | | | | |
|---|---|---|---|---|---|---|---|
| You must be able to: | *PER | SO | OQ | WQ | WT | PS | PD |
| **4.1 select resources associated with own work in relation to materials, components, fixings, tools and equipment** | | | | | | | |
| 4.2 describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: | | | | | | | |
| a. fixings, fasteners, flashings, fittings, halters and spacer system | | | | | | | |
| b. insulation, vapour control, separation and breather membranes | | | | | | | |
| c. primers, cleaning agents, sealing tapes, sealants and fillers | | | | | | | |
| d. metal and translucent sheets, built up, standing seam, secret fix, composite panels, rainscreen cladding panels, decking panels and fibre cement systems | | | | | | | |
| e. rainwater goods | | | | | | | |
| f. hand tools, portable power tools and equipment | | | | | | | |
| 4.3 describe how the resources should be used correctly, 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. | | | | | | | |

| 5. Minimise the risk of damage to the work and surrounding area when repairing sheeting and cladding systems on roofs and walls, including rainscreen | | | | | | | |
|---|---|---|---|---|---|---|---|
| You must be able to: | *PER | SO | OQ | WQ | WT | PS | PD |
| **5.1 protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures** | | | | | | | |
| **5.2 prevent 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, manufacturers' information, statutory regulations and official guidance. | | | | | | | |

| 6. Complete the work within the allocated time when repairing sheeting and cladding systems on roofs and walls, including rainscreen. | | | | | | | |
|---|---|---|---|---|---|---|---|
| You must be able to: | *PER | SO | OQ | WQ | WT | PS | PD |
| **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: | | | | | | | |
| a. types of progress charts, timetables and estimated times | | | | | | | |
| b. organisational procedures for reporting circumstances which will affect the work programme. | | | | | | | |

| 7. Comply with the given contract information to repair sheeting and cladding systems on roofs and walls, including rainscreen, to the required specification | | | | | | | |
|---|---|---|---|---|---|---|---|
| You must be able to: | *PER | SO | OQ | WQ | WT | PS | PD |
| **7.1 demonstrate the following work skills when repairing sheeting and cladding systems on roofs and walls, including rainscreen:** | | | | | | | |
| **a. removing** | | | | | | | |
| **b. replacing** | | | | | | | |
| **c. renewing** | | | | | | | |
| **d. repairing** | | | | | | | |
| **7.2 use and maintain hand tools, portable power tools and ancillary equipment** | | | | | | | |
| 7.3 identify and repair defects in sheeting and cladding systems to given working instructions: | | | | | | | |
| a. leaks | | | | | | | |
| b. condensation | | | | | | | |
| c. damaged sheets and components | | | | | | | |
| d. minor surface coating defects | | | | | | | |
| e. damaged or missing flashings | | | | | | | |
| 7.4 describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: | | | | | | | |
| a. identify installation quality requirements | | | | | | | |
| b. conform to agreed specification | | | | | | | |
| c. confirm manufacturers' repair and installation criteria | | | | | | | |
| d. identify defects including: leaks, condensation, damaged sheets and components, surface coating defects, damaged and missing flashings | | | | | | | |
| e. remove and recover defective materials | | | | | | | |
| f. carry out repairs to sheet components | | | | | | | |

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|---|---|---|---|---|---|---|---|
| g. remove and replace damaged, missing and incorrect sheeting and cladding materials, components, fittings, fixings and flashings | | | | | | | |
| h. identify and match existing products | | | | | | | |
| i. identify the source of leaks and condensation | | | | | | | |
| j. deal with and prevent water leaks and condensation | | | | | | | |
| 7.5 describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: | | | | | | | |
| a. inspect, test, repair and replace rainwater goods | | | | | | | |
| b. identify and ensure the integrity of joints and overlaps | | | | | | | |
| c. treat surface coating defects | | | | | | | |
| d. apply sealants and fillers to ensure water and airtightness | | | | | | | |
| e. install and replace insulation, fire stops, breather membranes and vapour control layers | | | | | | | |
| f. recognise the differences between sheeting and cladding materials for roofs and walls including rainscreen systems | | | | | | | |
| g. check quality and suitability of work on completion and at the end of each working period | | | | | | | |
| 7.6 describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: | | | | | | | |
| a. recognise and determine when additional specialist skills and knowledge are required and report accordingly | | | | | | | |
| b. work from mobile elevating work platforms | | | | | | | |
| c. work with, around and in close proximity to plant and machinery | | | | | | | |
| d. use hand tools, portable power tools and equipment | | | | | | | |
| e. work at height | | | | | | | |
| f. use of access equipment | | | | | | | |
| 7.7 describe the needs of other occupations and how to effectively communicate within a team when repairing sheeting and cladding systems on roofs and walls, including rainscreen | | | | | | | |
| 7.8 describe how and when to maintain the tools and equipment used when repairing sheeting and cladding systems on roofs and walls, including rainscreen. | | | | | | | |

# Unit 693 Repairing sheeting and cladding systems on roofs and walls, including rainscreen, in the workplace

## Declaration

I confirm that the evidence supplied for the above unit is authentic and a true representation of my own work. The work logged is my own work carried out during my normal work duties.

| | |
|---|---|
| **Candidate name:** | |
| **Candidate signature:** | |
| **Date:** | |

I confirm that this candidate has achieved all the requirements of this unit with the evidence listed. Assessment was conducted under the specified conditions and context, and is valid, authentic, reliable, current and sufficient.

| | |
|---|---|
| **Assessor name:** | |
| **Assessor signature:** | |
| **Date:** | |

| | |
|---|---|
| **IQA name:** | |
| **IQA signature:** | |
| **Date:** | |