

Unit 256

Installing double-lap concrete roof slates in the workplace

10 credits

Level: 2

UAN: J/600/8470

Unit aim:

The aim of this unit is to provide you with an awareness of:

- interpreting information
- adopting safe and healthy working practices
- selecting materials, components and equipment
- preparing and installing double-lap concrete slates for new and/or re-roof 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 installing double-lap concrete roof slates.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
1.1 interpret and extract information from contractor's working instructions.							
1.2 comply with information and/or instructions derived from risk assessments and method statement.							
1.3 state 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. contractor's working instructions							
b. manufacturers' information							
c. regulations governing buildings							
d. procedures for dealing with damaged and incorrect materials and/or resources.							

2. Know how to comply with relevant legislation and official guidance when installing double-lap concrete roof slates.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
2.1 describe your responsibilities under current legislation and official guidance whilst working:							
a. in the workplace							
b. at height							
c. with tools and equipment							
d. with materials and substances							
e. with movement/storage of materials and by manual handling and mechanical lifting.							
2.2 describe the organisational security procedures for tools, equipment and personal belongings in relation to:							
a. site							
b. company							
c. operative							
2.3 state what the accident reporting procedures are and who is responsible for making reports.							

3. Maintain safe working practices when installing double-lap concrete roof slates.								
You must be able to:		*PER	SO	OQ	WQ	WT	PS	PD
3.1	use Personal Protective Equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing double-lap concrete roof slates.							
3.2	explain why and when Personal Protective Equipment (PPE) should be used, relating to installing double-lap concrete roof slates, and the:							
	a. types							
	b. purpose							
	c. limitations of each type							
3.3	state how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with:							
	a. fires							
	b. spillages							
	c. injuries							
	d. other task-related hazards.							

4. Select the required quantity and quality of resources for the methods of work to install double-lap concrete roof slates.								
You must be able to:		*PER	SO	OQ	WQ	WT	PS	PD
4.1 describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:								
a. concrete slates								
b. fittings								
c. fixings								
d. soakers								
e. ridge and hip tiles								
f. battens								
g. dry fix systems								
h. mortar								
i. ventilation systems								
j. sand, cement and additives								
k. hand and/or powered tools and ancillary equipment.								
4.2 select resources associated with own work in relation to:								
a. materials								
b. components								
c. fixings								
d. tools								
e. equipment								
4.3 state:								
a. how the resources should be used correctly								
b. how problems associated with the resources are reported								
c. how the organisational procedures are used								
4.4 outline potential hazards associated with the resources and method of work.								

4.5 describe how to calculate:							
a. quantity							
b. length							
c. area associated with the method/procedure to install double-lap concrete roof slates.							

5. Minimise the risk of damage to the work and surrounding area when installing double-lap concrete roof slates.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
5.1 protect the work and its surrounding area from damage.							
5.2 minimise damage and maintain a clean work space.							
5.3 describe how to protect work from damage and the purpose of protection in relation to:							
a. general workplace activities							
b. other occupations							
c. adverse weather conditions							
5.4 dispose of waste in accordance with legislation.							
5.5 state why the disposal of waste should be carried out in relation to the work.							

6. Complete the work within the allocated time when installing double-lap concrete roof slates.							
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 state the purpose of the work programme and explain why deadlines should be kept in relation to:							
a. types of work schedules/diaries, 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 install double-lap concrete roof slates to the required specification.								
You must be able to:		*PER	SO	OQ	WQ	WT	PS	PD
7.1 demonstrate the following work skills when installing double-lap concrete roof slates:								
a. measuring								
b. setting out								
c. marking out								
d. cutting								
e. fitting								
f. mixing								
g. positioning								
h. securing								
i. finishing								
7.2 install battens, double-lap concrete roof slates and related fittings, fixings and components to contractor's working instructions, using new materials for roofs with:								
a. verges and ridges								
b. hips								
c. valleys								
d. eaves and tops course								
e. abutments								
f. openings								
g. dry and/or sand and cement wet finishing details.								
7.3 describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:								
a. assess suitability of sub-structure for re-roofing								
b. set out battens for regular and/or diminishing courses for slates and components								

c. install slates and components to eaves and tops course, verges, ridge, hips, valleys, openings and/or abutments, vertical and general areas							
d. form dry and/or wet fix finishing details							
e. mix sand and cement							
f. mix mortar with additives							
g. use hand tools, power tools and equipment							
h. work at height							
i. use access equipment.							
7.4 safely use and store hand tools, power tools and ancillary equipment.							
7.5 state the needs of other occupations and how to communicate within a team when installing double-lap concrete roof slates.							
7.6 describe how to maintain the tools and equipment used when installing double-lap concrete roof slates.							

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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:	