Unit 322 Laying sand and cement screeds to levels and/or falls in the workplace

11 credits

Level: 3
UAN: K/600/6565

Unit aim:
The aim is to provide you with the necessary skills and knowledge to:

- interpreting information
- adopting safe and healthy working practices
- selecting materials, components and equipment
- preparing materials and laying sand and cement screeds to levels and/or falls

*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 laying sand and cement screeds.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
1.1 **interpret and extract relevant information from:**							
a. drawings							
b. specifications							
c. schedules							
d. manufacturers' information							
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. drawings							
b. specifications							
c. schedules							
d. manufacturers' information							
e. regulations governing buildings.							

2. Know how to comply with relevant legislation and official guidance when laying sand and cement screeds.							
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. below ground level							
c. at height							
d. with tools and equipment							
e. with materials and substances							
f. 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. workplace							
c. company							
d. operative							
2.3 state what the accident reporting procedures are and who is responsible for making reports.							

3. Maintain safe working practices when laying sand and cement screeds.							
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 laying sand and cement screeds**							
3.2 explain why and when Personal Protective Equipment (PPE) should be used, relating to laying sand and cement screeds, and the:							
a. types							
b. purpose							
c. limitations							
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 lay sand and cement screeds.							
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. sands, cements, ready-mixed screeds, timber and screed rails							
b. damp-proof membranes							
c. materials to accommodate movement							
d. hand and/or powered tools and equipment							
4.2 **select resources associated with own work in relation to:**							
a. **materials**							
b. **components**							
c. **tools and equipment**							
4.3 state how the resources should be used correctly, how problems associated with the resources are reported and 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							
d. wastage associated with the method/procedure to lay sand and cement screeds.							

5. Minimise the risk of damage to the work and surrounding area when laying sand and cement screeds.							
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 laying sand and cement screeds.							
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 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 lay sand and cement screeds to the required specification.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
7.1 **demonstrate the following work skills when laying sand and cement screeds:**							
a. **measuring**							
b. **marking out**							
c. **cleaning**							
d. **laying**							
e. **compacting**							
f. **finishing**							
7.2 **prepare the materials to lay sand and cement floor screeds**							
7.3 **lay and finish sand and cement floor screeds, to level and/or to falls, to prepared backgrounds in accordance with contractor's working instructions**							
7.4 describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:							
a. lay and finish sand and cement screeds to level and to falls							
b. form drainage outlets and skirtings							
c. remove defective sand and cement screeds							
d. install dpm							
e. prepare screed materials							
f. accommodate movement							
g. prepare backgrounds to receive screeds							
h. work at height							
i. use hand tools, power tools and equipment							

7.5 **safely use:**							
a. **hand tools**							
b. **portable power tools**							
c. **ancillary equipment**							
7.6 state the needs of other occupations and how to communicate within a team when laying sand and cement screeds							
7.7 describe how to maintain the tools and equipment used when laying sand and cement screeds.							

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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:	