Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment and erecting and dismantling temporary support in order to prepare and erect or conserve and/or restore earthen structures.

This standard is for people working in the occupational area of heritage skills and can be used by operatives, supervisors and managers.
COSVR549
Prepare and erect or conserve and restore earthen structures

**Performance criteria**

You must be able to:

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<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>P1</td>
<td>interpret the given information relating to the work and resources to confirm its relevance</td>
</tr>
<tr>
<td>P2</td>
<td>comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices</td>
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<tr>
<td>P3</td>
<td>select the required quantity and quality of resources for the methods of work</td>
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<tr>
<td>P4</td>
<td>comply with organisational procedures to minimise the risk of damage to the work and surrounding area</td>
</tr>
<tr>
<td>P5</td>
<td>comply with the given contract information to carry out the work efficiently to the required specification</td>
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<tr>
<td>P6</td>
<td>complete the work within the allocated time, in accordance with the programme of work</td>
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</table>
You need to know and understand:

**Knowledge and understanding**

**Performance Criteria 1**

**Interpretation of information**

K1 the organisational procedures developed to report and rectify inappropriate information and unsuitable resources, and how they are implemented

K2 the types of information, their source and how they are interpreted

K3 the organisational procedures to solve problems with the information and why it is important they are followed

**Performance Criteria 2**

**Safe work practices**

You need to know and understand:

K4 the level of understanding operatives must have of information for relevant, current legislation and official guidance and how it is applied

K5 how emergencies should be responded to and who should respond

K6 the organisational security procedures for tools, equipment and personal belongings

K7 what the accident reporting procedures are and who is responsible for making the report

K8 why, when and how health and safety control equipment should be used

K9 how to comply with environmentally responsible work practices to meet current legislation and official guidance
COSVR549
Prepare and erect or conserve and restore earthen structures

Performance Criteria 3
Selection of resources

You need to know and understand:

K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the resources and how defects should be rectified
K11 how the resources should be used and how any problems associated with the resources are reported
K12 the organisational procedures to select resources, why they have been developed and how they are used
K13 the hazards associated with the resources and methods of work and how they are overcome

Performance Criteria 4
Minimise the risk of damage

You need to know and understand:

K14 how to protect work from damage and the purpose of protection
K15 why disposal of waste should be carried out safely and how it is achieved

Performance Criteria 5
Meet the contract specification

You need to know and understand:

K16 how methods of work, to meet the specification, are carried out and problems reported
K17 how maintenance of tools and equipment is carried out

Performance Criteria 6
Allocated time

You need to know and understand:

K18 what the programme is for the work to be carried out in the estimated, allocated time and why deadlines should be kept
COSVR549
Prepare and erect or conserve and restore earthen structures

Additional Information

Scope/range related to performance criteria

Performance Criteria 1
1 interpretation of drawings, specifications, schedules, method statements, risk assessments and manufacturers' information related to the work to be carried out

Performance Criteria 2
2 avoidance of risk by complying with the given information relating to at least three of the following
2.1 methods of work
2.2 safe use of health and safety control equipment
2.3 safe use of access equipment
2.4 safe use, storage and handling of materials, tools and equipment
2.5 specific risks to health

Performance Criteria 3
3 selection of resources associated with own work and appropriate to the type/period
3.1 materials, components and fixings
3.2 tools and equipment

Performance Criteria 4
4 protection of the work and its surrounding area from damage
5 minimise damage maintain a clean work space
6 disposal of waste in accordance with current legislation

Performance Criteria 5
7 demonstration of work skills to select, measure, mark, mix, fit, finish, cut, lay, position and bed
8 use and maintain hand tools, portable power tools and ancillary equipment
9 select and prepare earth materials (binders, fibres) and/or supports/formwork
10 prepare and erect or conserve and/or restore at least one of the following earthen structures to given working instructions
10.1 monolithic earth walls (cob, rammed earth, mud) including forming openings, detail and finishes
10.2 earth mortared masonry structures (clay lump, stone, brick) including forming openings, details and finishes
COSVR549
Prepare and erect or conserve and restore earthen structures

Performance Criteria 6
11 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client
COSVR549
Prepare and erect or conserve and restore earthen structures

Scope/range related to knowledge and understanding

Disposal of waste
1. environmental responsibilities, organisational procedures, manufacturers’ information, statutory regulations and official guidance

Emergencies
2. operative’s response to situations in accordance with organisational authorisation and personal skills when involved with
   2.1 fires, spillages, injuries
   2.2 emergencies relating to occupational activities

Hazards
3. those identified by risk assessment, method of work, manufacturers’ technical information, statutory regulations and official guidance

Health and safety control equipment
4. identified by the principles of prevention for occupational use, types and purpose of each type, work situations and general work environment
   4.1 collective protective measures
   4.2 local exhaust ventilation (LEV)
   4.3 personal protective equipment (PPE)
   4.4 respiratory protective equipment (RPE)

Information
5. drawings, specifications, schedules, method statements, risk assessments, manufacturers’ information, archaeological watching brief, historical conservation plans and charters, legislation, official guidance and current regulations governing buildings

Legislation and official guidance
6. this relates to the operative’s responsibilities regarding potential accidents, health hazards 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/storage of materials and by manual handling and mechanical lifting

Maintenance
7. operative care of hand tools, portable power tools and ancillary equipment
Prepare and erect or conserve and restore earthen structures

Methods of work

8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
8.1 select and test raw materials, including field and laboratory tests
8.2 prepare earth materials (soil, binders, fibre, additives)
8.3 erect and dismantle formwork
8.4 produce specialist tools
8.5 work with plant or machinery
8.6 produce templates and earth blocks
8.7 identify line, level and verticality
8.8 identify and produce lift lines and overhangs
8.9 protect structures from shrinkage, cracking and moisture intrusion
8.10 validate appropriate ways in which the work should be carried out
8.11 recognise sensitive areas (plaster, details, timber-work)
8.12 maintain heritage and archaeological integrity
8.13 maintain the principles of minimum intervention and reversible alterations
8.14 prepare and erect, or, conserve and restore monolithic earth walls (cob, rammed earth, mud) including forming openings, details and finish
8.15 prepare and erect, or, conserve and restore earth mortared masonry structures (clay lump, stone, brick) including forming openings, details and finishes
8.16 record work carried out (written, photographic or digital)
8.17 recognise and/or report protected flora and fauna (mortar bees)
8.18 remove deteriorated and/or inappropriate materials
8.19 erect and replace fabric, materials or structural components
8.20 repair fabric, materials or structural components in-situ
8.21 maintain existing structures
8.22 integrate existing and new constructional components or finishes
8.23 store salvageable fabric, materials and structural components
8.24 recognise and determine when specialist skills and knowledge are required and report accordingly
Prepare and erect or conserve and restore earthen structures

8.25 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
8.26 use hand tools, portable power tools and ancillary equipment
8.27 work at height
8.28 use access equipment
9 team work and communication
10 needs of other occupations associated with preparing and erecting, or conserving and restoring earthen structures

Problems
11 those arising from information, resources and methods of work
   11.1 own authority to rectify
   11.2 organisational reporting procedures

Programme
12 types of progress charts, timetables and estimated times
13 organisational procedures for reporting circumstances which will affect the work programme

Protect work
14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources
15 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
   15.1 timber, manufactured sheet material, limes, aggregates, base materials, earth, binding materials, finishing materials, turf, fixings and associated ancillary items
   15.2 hand tools, portable power tools and ancillary equipment
16 methods of calculating quantity, length, area, volume and wastage associated with the method/procedure to prepare and erect or conserve and restore earthen structures

Security procedures
17 site, workplace, company and operative
COSVR549
Prepare and erect or conserve and restore earthen structures

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COSVR556
Produce plaster and render finishes on conservation or restoration projects or earthen structures

Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing background surfaces and producing internal plaster and/or external render finishes on conservation and restoration projects or earthen structures.

This standard is for people working in the occupational area of heritage skills and can be used by operatives, supervisors and managers.
Produce plaster and render finishes on conservation or restoration projects or earthen structures

Performance criteria

You must be able to:

P1 interpret the given information relating to the work and resources to confirm its relevance

P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices

P3 select the required quantity and quality of resources for the methods of work

P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area

P5 comply with the given contract information to carry out the work efficiently to the required specification

P6 complete the work within the allocated time, in accordance with the programme of work
COSVR556
Produce plaster and render finishes on conservation or restoration projects or earthen structures

Knowledge and understanding

You need to know and understand:

Performance Criteria 1
Interpretation of information

K1 the organisational procedures developed to report and rectify inappropriate information and unsuitable resources, and how they are implemented

K2 the types of information, their source and how they are interpreted

K3 the organisational procedures to solve problems with the information and why it is important they are followed

Performance Criteria 2
Safe work practices

You need to know and understand:

K4 the level of understanding operatives must have of information for relevant, current legislation and official guidance and how it is applied

K5 how emergencies should be responded to and who should respond

K6 the organisational security procedures for tools, equipment and personal belongings

K7 what the accident reporting procedures are and who is responsible for making the report

K8 why, when and how health and safety control equipment should be used

K9 how to comply with environmentally responsible work practices to meet current legislation and official guidance
COSVR556
Produce plaster and render finishes on conservation or restoration projects or earthen structures

Performance Criteria 3
Selection of resources

You need to know and understand:

K10  the characteristics, quality, uses, sustainability, limitations and defects associated with the resources and how defects should be rectified
K11  how the resources should be used and how any problems associated with the resources are reported
K12  the organisational procedures to select resources, why they have been developed and how they are used
K13  the hazards associated with the resources and methods of work and how they are overcome

Performance Criteria 4
Minimise the risk of damage

You need to know and understand:

K14  how to protect work from damage and the purpose of protection
K15  why disposal of waste should be carried out safely and how it is achieved

Performance Criteria 5
Meet the contract specification

You need to know and understand:

K16  how methods of work, to meet the specification, are carried out and problems reported
K17  how maintenance of tools and equipment is carried out

Performance Criteria 6
Allocated time

You need to know and understand:

K18  what the programme is for the work to be carried out in the estimated, allocated time and why deadlines should be kept
COSVR556
Produce plaster and render finishes on conservation or restoration projects or earthen structures

Additional Information

**Scope/range related to performance criteria**

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<tr>
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</tr>
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<tr>
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<td>2.3 safe use of access equipment</td>
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<td>2.4 safe use, storage and handling of materials, tools and equipment</td>
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<td></td>
<td>2.5 specific risks to health</td>
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<tr>
<td>Performance Criteria 3</td>
<td>3 selection of resources associated with own work</td>
</tr>
<tr>
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<td>3.1 materials, components and fixings</td>
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<td></td>
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<td>Performance Criteria 4</td>
<td>4 protection of the work and its surrounding area from damage</td>
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<td>5 minimise damage and maintain a clean work space</td>
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<td>7 demonstration of work skills to measure, mark out, plumb, level, apply, spread, run, rule, finish, position and secure</td>
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<td>8 use and maintain hand tools, portable power tools and ancillary equipment</td>
</tr>
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<td>9 produce internal plaster and/or external render finishes to given working instructions relating to the following</td>
</tr>
<tr>
<td></td>
<td>9.1 preparation of background surface</td>
</tr>
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<td>9.2 one, two and three coat work</td>
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<td></td>
<td>9.3 vertical, inclined, curved, horizontal and ceiling surfaces</td>
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<td></td>
<td>9.4 internal and external angles</td>
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<td></td>
<td>9.5 replication of decorative and textured finishes</td>
</tr>
<tr>
<td></td>
<td>9.6 moulded sections</td>
</tr>
</tbody>
</table>
COSVR556
Produce plaster and render finishes on conservation or restoration projects or earthen structures

Performance Criteria 6
10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client
COSVR556 Produce plaster and render finishes on conservation or restoration projects or earthen structures

Scope/range related to knowledge and understanding

Disposal of waste
1 environmental responsibilities, organisational procedures, manufacturers’ information, statutory regulations and official guidance

Emergencies
2 operative’s response to situations in accordance with organisational authorisation and personal skills when involved with
   2.1 fires, spillages, injuries
   2.2 emergencies relating to occupational activities

Hazards
3 those identified by risk assessment, methods of work, manufacturers’ technical information, statutory regulations and official guidance

Health and safety control equipment
4 identified by the principles of prevention for occupational use, types and purpose of each type, work situations and general work environment
   4.1 collective protective measures
   4.2 local exhaust ventilation (LEV)
   4.3 personal protective equipment (PPE)
   4.4 respiratory protective equipment (RPE)

Information
5 drawings, specifications, schedules, method statements, risk assessments, manufacturers’ information, archaeological watching brief, historical conservation plans and charters, official guidance and current regulations governing buildings

Legislation and official guidance
6 this relates to the operative’s responsibilities regarding potential accidents, health hazards 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/storage of materials and by manual handling and mechanical lifting

Maintenance
7 operative care of hand tools, portable power tools and ancillary equipment
COSVR556
Produce plaster and render finishes on conservation or restoration projects or earthen structures

Methods of work

8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to

8.1 prepare background surface appropriate to plasterwork finish

8.2 apply and finish internal plaster (one, two and three coat), and external render, work to vertical, inclined, curved, horizontal and ceiling surfaces

8.3 form internal and external surfaces

8.4 replicate decorative and textured finishes

8.5 prepare clay, earth plasters, earth renders, coarse stuff, lime putty, plaster, cements and aggregates

8.6 protect unmixed and mixed materials

8.7 geometrically develop moulding profiles

8.8 validate appropriate ways in which the work should be carried out

8.9 recognise sensitive areas

8.10 maintain heritage and archaeological integrity

8.11 maintain the principles of minimum intervention and reversible alterations

8.12 record work carried out (written, photographic or digital)

8.13 recognise and/or report endangered/protected flora and fauna (masonry bees)

8.14 remove deteriorated and/or inappropriate materials

8.15 maintain existing structure

8.16 integrate existing and new constructional components

8.17 store salvageable fabric, materials and structural components

8.18 recognise and determine when specialist skills and knowledge are required and report accordingly

8.19 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance

8.20 use hand tools, portable power tools and ancillary equipment

8.21 work at height

8.22 use access equipment
Produce plaster and render finishes on conservation or restoration projects or earthen structures

9  team work and communication
10  needs of other occupations associated with producing plaster and render finishes on conservation or restoration projects or earthen structures

Problems
11  those arising from information, resources and methods of work
   11.1  own authority to rectify
   11.2  organisational reporting procedures

Programme
12  types of progress charts, timetables and estimated times
13  organisational procedures for reporting circumstances which will affect the work programme

Protect work
14  protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources
15  materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
   15.1  plasters, earth plasters, earth renders, clays, sand, cements, lime, beads, additives, bonding agents, fixings and associated ancillary items
   15.2  fittings and fixings
   15.3  hand tools, portable power tools and ancillary equipment
16  methods of calculating quantity, length, area, volume and wastage associated with the method/procedure to produce plaster and render finishes on conservation or restoration projects or earthen structures

Security procedures
17  site, workplace, company and operative
COSVR556
Produce plaster and render finishes on conservation or restoration projects or earthen structures

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</table>
Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, repairing backgrounds and conserving, restoring or repairing solid plaster or render surfaces on conservation and restoration projects or earthen structures.

This standard is for people working in the occupational area of heritage skills and can be used by operatives, supervisors and managers.
COSVR557
Conserve, restore or repair solid plaster or render surfaces

Performance criteria

You must be able to:

P1 interpret the given information relating to the work and resources to confirm its relevance

P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices

P3 select the required quantity and quality of resources for the methods of work

P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area

P5 comply with the given contract information to carry out the work efficiently to the required specification

P6 complete the work within the allocated time, in accordance with the programme of work
COSVR557
Conserve, restore or repair solid plaster or render surfaces

Knowledge and understanding
You need to know and understand:

Performance Criteria 1
Interpretation of information

K1 the organisational procedures developed to report and rectify inappropriate information and unsuitable resources, and how they are implemented
K2 the types of information, their source and how they are interpreted
K3 the organisational procedures to solve problems with the information and why it is important they are followed

Performance Criteria 2
Safe work practices

You need to know and understand:

K4 the level of understanding operatives must have of information for relevant, current legislation and official guidance and how it is applied
K5 how emergencies should be responded to and who should respond
K6 the organisational security procedures for tools, equipment and personal belongings
K7 what the accident reporting procedures are and who is responsible for making the report
K8 why, when and how health and safety control equipment should be used
K9 how to comply with environmentally responsible work practices to meet current legislation and official guidance
COSVR557
Conserve, restore or repair solid plaster or render surfaces

Performance Criteria 3
Selection of resources

You need to know and understand:

K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the resources and how defects should be rectified
K11 how the resources should be used and how any problems associated with the resources are reported
K12 the organisational procedures to select resources, why they have been developed and how they are used
K13 the hazards associated with the resources and methods of work and how they are overcome

Performance Criteria 4
Minimise the risk of damage

You need to know and understand:

K14 how to protect work from damage and the purpose of protection
K15 why disposal of waste should be carried out safely and how it is achieved

Performance Criteria 5
Meet the contract specification

You need to know and understand:

K16 how methods of work, to meet the specification, are carried out and problems reported
K17 how maintenance of tools and equipment is carried out

Performance Criteria 6
Allocated time

You need to know and understand:

K18 what the programme is for the work to be carried out in the estimated, allocated time and why deadlines should be kept
Conserve, restore or repair solid plaster or render surfaces

**Additional Information**

**Scope/range related to performance criteria**

**Performance Criteria 1**
1. interpretation of drawings, specifications, schedules, method statements, risk assessments and manufacturers' information related to the work to be carried out

**Performance Criteria 2**
2. avoidance of risk by complying with the given information relating to the following
   2.1 methods of work
   2.2 safe use of health and safety control equipment
   2.3 safe use of access equipment
   2.4 safe use, storage and handling of materials, tools and equipment
   2.5 specific risks to health

**Performance Criteria 3**
3. selection of resources associated with own work and appropriate to the type/period
   3.1 materials, components and fixings
   3.2 tools and equipment

**Performance Criteria 4**
4. protection sympathetic to the work and its surrounding area from damage
5. minimise damage and maintain a clean work space
6. disposal of waste in accordance with current legislation

**Performance Criteria 5**
7. demonstration of work skills to measure, mark out, plumb, level, remove, apply, spread, run, rule, finish, position and secure
8. use and maintain hand tools, portable power tools and ancillary equipment
9. conserve, restore or repair existing internal plaster and/or external render to given working instructions relating to the following
   9.1 removal of defective plaster and/or render laths
   9.2 preparation of background surfaces
   9.3 replication of existing finishes
   9.4 stabilisation of existing plaster and/or render
   9.5 internal and external angles
10 conserve, restore or repair four of the following plaster and/or render surfaces

10.1 vertical
10.2 ceiling
10.3 inclined
10.4 in-situ moulded
10.5 moulded and cast enrichment
10.6 curved (dome, barrel, vault, lunette etc.)
10.7 floor
10.8 in-situ hand moulded

**Performance Criteria 6**

11 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client
### COSVR557
Conserve, restore or repair solid plaster or render surfaces

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<tr>
<th>Scope/range related to knowledge and understanding</th>
<th>Disposal of waste</th>
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<td>1. environmental responsibilities, organisational procedures, manufacturers’ information, statutory regulations and official guidance</td>
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**Emergencies**

2. operative’s response to situations in accordance with organisational authorisation and personal skills when involved with

   2.1 fires, spillages, injuries

   2.2 emergencies relating to occupational activities

**Hazards**

3. those identified by risk assessment, method of work, manufacturers’ technical information, statutory regulations and official guidance

**Health and safety control equipment**

4. identified by the principles of prevention for occupational use, types and purpose of each type, work situations and general work environment

   4.1 collective protective measures

   4.2 local exhaust ventilation (LEV)

   4.3 personal protective equipment (PPE)

   4.4 respiratory protective equipment (RPE)

**Information**

5. drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, archaeological watching brief, historical conservation plans and charters, official guidance and current regulations governing buildings

**Legislation and official guidance**

6. this relates to the operative’s responsibilities regarding potential accidents, health hazards 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/storage of materials and by manual handling and mechanical lifting

**Maintenance**

7. operative care of hand tools, portable power tools and ancillary equipment
Methods of work

8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
8.1 remove defective plaster, render and laths
8.2 prepare background surfaces appropriate to the plaster and render finish
8.3 apply and finish internal plaster and external render to the following surfaces: vertical, ceiling, inclined, in-situ moulded, in-situ hand moulded, moulded and cast enrichment, curved (dome, barrel, vault, lunette etc.) and floor
8.4 form internal and external angles
8.5 replicate existing finishes
8.6 stabilise existing plaster and render
8.7 validate appropriate ways in which the work should be carried out
8.8 recognise sensitive areas
8.9 maintain heritage and archaeological integrity
8.10 maintain the principles of minimum intervention and reversible alterations
8.11 record work carried out (written, photographic or digital)
8.12 recognise and/or report endangered/protected flora and fauna (masonry bees)
8.13 remove deteriorated and/or inappropriate materials
8.14 maintain existing structure
8.15 integrate existing and new constructional components
8.16 store salvageable materials and components
8.17 recognise and determine when specialist skills and knowledge are required and report accordingly
8.18 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
8.19 use hand tools, portable power tools and ancillary equipment
8.20 work at height
8.21 use access equipment
9 team work and communication
10 needs of other occupations associated with conserving, restoring or repairing plaster and render surfaces
COSVR557
Conserve, restore or repair solid plaster or render surfaces

**Problems**
11 those arising from information, resources and methods of work
   11.1 own authority to rectify
   11.2 organisational reporting procedures

**Programme**
12 types of progress charts, timetables and estimated times
13 organisational procedures for reporting circumstances which will affect the work programme

**Protect work**
14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

**Resources**
15 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist
   15.1 lath work, plasters, earth plasters, earth renders, clays, sand, aggregates, cements, lime, beads, additives, bonding agents, fixings and associated ancillary items
   15.2 hand tools, portable power tools and ancillary equipment
16 methods of calculating quantity, length, area, volume and wastage associated with the method/procedure to conserve, restore or repair solid plaster or render surfaces

**Security procedures**
17 site, workplace, company and operative
### COSVR557

Conserve, restore or repair solid plaster or render surfaces

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Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment and preparing and mixing earth plasters and earth renders mechanically and/or by hand.

This standard is for people working in the occupational area of heritage skills and can be used by operatives, supervisors and managers.
COSVR767
Prepare and mix earth plasters and earth renders

Performance criteria

You must be able to:

**P1** interpret the given information relating to the work and resources to confirm its relevance

**P2** comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices

**P3** select the required quantity and quality of resources for the methods of work

**P4** comply with organisational procedures to minimise the risk of damage to the work and surrounding area

**P5** comply with the given contract information to carry out the work efficiently to the required specification

**P6** complete the work within the allocated time, in accordance with the programme of work


## COSVR767

### Prepare and mix earth plasters and earth renders

<table>
<thead>
<tr>
<th>Knowledge and understanding</th>
<th>Performance Criteria 1</th>
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<tbody>
<tr>
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<td>Interpretation of information</td>
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#### You need to know and understand:

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<tbody>
<tr>
<td><strong>K1</strong></td>
<td>the organisational procedures developed to report and rectify inappropriate information and unsuitable resources, and how they are implemented</td>
</tr>
<tr>
<td><strong>K2</strong></td>
<td>the types of information, their source and how they are interpreted</td>
</tr>
<tr>
<td><strong>K3</strong></td>
<td>the organisational procedures to solve problems with the information and why it is important they are followed</td>
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</table>

#### Performance Criteria 2

**Safe work practices**

#### You need to know and understand:

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<tr>
<td><strong>K4</strong></td>
<td>the level of understanding operatives must have of information for relevant, current legislation and official guidance and how it is applied</td>
</tr>
<tr>
<td><strong>K5</strong></td>
<td>how emergencies should be responded to and who should respond</td>
</tr>
<tr>
<td><strong>K6</strong></td>
<td>the organisational security procedures for tools, equipment and personal belongings</td>
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<tr>
<td><strong>K7</strong></td>
<td>what the accident reporting procedures are and who is responsible for making the report</td>
</tr>
<tr>
<td><strong>K8</strong></td>
<td>why, when and how health and safety control equipment should be used</td>
</tr>
<tr>
<td><strong>K9</strong></td>
<td>how to comply with environmentally responsible work practices to meet current legislation and official guidance</td>
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COSVR767
Prepare and mix earth plasters and earth renders

Performance Criteria 3
Selection of resources

You need to know and understand:

K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the resources and how defects should be rectified
K11 how the resources should be used and how any problems associated with the resources are reported
K12 the organisational procedures to select resources, why they have been developed and how they are used
K13 the hazards associated with the resources and methods of work and how they are overcome

Performance Criteria 4
Minimise the risk of damage

You need to know and understand:

K14 how to protect work from damage and the purpose of protection
K15 why disposal of waste should be carried out safely and how it is achieved

Performance Criteria 5
Meet the contract specification

You need to know and understand:

K16 how methods of work, to meet the specification, are carried out and problems reported
K17 how maintenance of tools and equipment is carried out

Performance Criteria 6
Allocated time

You need to know and understand:

K18 what the programme is for the work to be carried out in the estimated, allocated time and why deadlines should be kept
Prepare and mix earth plasters and earth renders

Additional Information

Scope/range related to performance criteria

Performance Criteria 1
1 interpretation of drawings, specifications, schedules, method statements, risk assessments and manufacturers' information related to the work to be carried out

Performance Criteria 2
2 avoidance of risk by complying with the given information relating to the following
   2.1 methods of work
   2.2 safe use of health and safety control equipment
   2.3 safe use of access equipment
   2.4 safe use, storage and handling of materials, tools and equipment
   2.5 specific risks to health

Performance Criteria 3
3 selection of resources associated with own work
   3.1 materials, components and fixings
   3.2 tools and equipment

Performance Criteria 4
4 protection of the work and its surrounding area from damage
5 minimise damage and maintain a clean work space
6 disposal of waste in accordance with current legislation

Performance Criteria 5
7 demonstration of work skills to extract, measure, sample, grade, test, batch, temper, mix, add, knock up and store
8 use and maintain hand tools, portable power tools and ancillary equipment
9 prepare and mix the following to given working instructions
   9.1 earth plaster – base and finish coat mix (with or without additives)
   9.2 earth render – base and finish coat mix (with or without additives)

Performance Criteria 6
10 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client
Prepare and mix earth plasters and earth renders

**Disposal of waste**
1. environmental responsibilities, organisational procedures, manufacturers’ information, statutory regulations and official guidance

**Emergencies**
2. operative’s response to situations in accordance with organisational authorisation and personal skills when involved with
   2.1 fires, spillages, injuries
   2.2 emergencies relating to occupational activities

**Hazards**
3. those identified by risk assessment, method of work, manufacturers’ technical information, statutory regulations and official guidance

**Health and safety control equipment**
4. identified by the principles of prevention for occupational use, types and purpose of each type, work situations and general work environment
   4.1 collective protective measures
   4.2 local exhaust ventilation (LEV)
   4.3 personal protective equipment (PPE)
   4.4 respiratory protective equipment (RPE)

**Information**
5. drawings, specifications, schedules, method statements, risk assessments, manufacturers’ information and current regulations governing buildings

**Legislation and official guidance**
6. this relates to the operative’s responsibilities regarding potential accidents, health hazards 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/storage of materials and by manual handling and mechanical lifting

**Maintenance**
7. operative care of hand tools, portable power tools and ancillary equipment
COSVR767
Prepare and mix earth plasters and earth renders

Methods of work
8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
8.1 carry out soil analysis and field testing
8.2 source and select materials, aggregates and additives
8.3 temper materials (soaking etc.)
8.4 batch materials
8.5 prepare and mix earth plasters and earth renders
8.6 protect and store mixed and unmixed materials
8.7 recognise and determine when specialist skills and knowledge are required and report accordingly
8.8 determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
8.9 use hand tools, portable power tools and equipment
8.10 work at height
8.11 use access equipment

9 team work and communication

10 needs of other occupations associated with preparing and mixing earth plasters and earth renders

Problems
11 those arising from information, resources and methods of work
11.1 own authority to rectify
11.2 organisational reporting procedures

Programme
12 types of progress charts, timetables and estimated times
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Protect work
14 protect work against damage from general workplace activities, other occupations and adverse weather conditions
Resources

15 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist

15.1 clay, earth, chalk, marle, loam, fibres, aggregates, additives, pigments, lime

15.2 ancillary items

15.3 fittings and fixings

15.4 hand tools, portable power tools, plant, machinery and equipment

16 methods of calculating quantity, length, area, volume and wastage associated with the method/procedure to prepare and mix earth plasters and earth renders.

Security procedures

17 site, workplace, company and operative
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