# COSVR67 – SQA Unit Code HL75 04
# Apply solid render to background surfaces and produce finishes

## Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing materials, applying solid render to external backgrounds and producing finishes

This standard is for people working in the occupational area of plastering and can be used by construction operatives, supervisors and managers

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## 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

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**Knowledge and understanding**

**Performance Criteria 1**

**Interpretation of information**

You need to know and understand:

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**

**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

**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/working platforms
- 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
- 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 measure, mark out, mix, apply and finish

8 use and maintain hand tools, portable power tools and ancillary equipment

9 application of base coats, reinforcing mesh and stress patches

10 prepare background surfaces, mix and apply solid render to bellcasts, internal and external angles, walls, reveals and soffits, and to at least one of the following background surfaces to given working instructions

- 10.1 brick
- 10.2 block
- 10.3 concrete
- 10.4 rubble stone masonry
- 10.5 expanded metal lath (EML)
- 10.6 external insulation

11 produce a plain-faced finish coat to external walls and/or external insulation plus at least one of the following finishes to given working instructions

- 11.1 dash
- 11.2 rough-cast (harling, wet dash)
- 11.3 synthetic or non-synthetic renders
- 11.4 proprietary pre-cast

**Performance Criteria 6**

12 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

**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 personal protective equipment (PPE)
- 4.3 respiratory protective equipment (RPE)
- 4.4 local exhaust ventilation (LEV)

**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

**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 pre-installation checks to include structural integrity, dampness, vents, services (gas, electric, water, media cables)
- 8.2 mix render to the required strength for background surfaces and supporting fixtures
- 8.3 prepare background surfaces
- 8.4 recognise the procedures to check flues and combustion air ventilation
- 8.5 understand the implications of existing guarantees and warranties
- 8.6 apply base coats, reinforcing mesh and stress patches
- 8.7 apply multiple coat renders to external walls and external insulation
- 8.8 form internal and external angles, reveals, soffits, expansion joints and bellcasts
- 8.9 position, secure and apply renders to expanded metal lath (EML)
- 8.10 apply dash, plain-faced coat, rough-cast (harling, wet-dash), synthetic and non-synthetic renders and proprietary pre-cast finishes and sealants to external surfaces and external insulation including door and window reveals
- 8.11 complete post installation checks: compliance with specifications, resistance to water penetration, anchorage/fixing, vents, services (gas, electric, water, media cables)
- 8.12 recognise and determine when specialist skills and knowledge are required and report accordingly
- 8.13 understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
- 8.14 use hand tools, portable power tools and ancillary equipment
- 8.15 work at height
- 8.16 use access equipment/working platforms

9 team work and communication

10 needs of other occupations associated with rendering

**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 render, sand, lime, cement and additives
- 15.2 bellcasts and beads, expanded metal lath (EML)
- 15.3 dash, rough-cast (harling, wet dash), proprietary pre-cast finish, synthetic and non-synthetic renders
- 15.4 reinforcement, stress patches, sealants, fixings and fittings
- 15.5 hand tools, portable power tools and ancillary equipment

16 methods of calculating quantity, length, area and wastage associated with the method/procedure to apply external solid render to background surfaces and produce finishes

**Security procedures**

17 site, workplace, company and operative

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| **Relevant occupations** | Plasterers |
| **Suite** | Plastering (Construction), Roofing Occupations (Construction);Trowel Occupations (Construction); Building Maintenance Multi-trade Repair and Refurbishment Operations |
| **Key words** | Renders; Bellcasts; Multiple-coat; Mixing renders; Expanded metal lath; Expansion-joints; Applying-renders; Internal-angles; External-angles; Dash finishes; Rough cast |