

UNIT C Level 3

Application of Clay Plaster

Learning outcomes Criteria and indicators

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Application of Clay Plaster

ECVET
Unit C

Level 3

Knowledge

- Different kinds of surfaces to be plastered
- Properties and criteria for assessment of the background: roughness; absorption capacity; stability; homogeneity
- Areas of use for clay plaster
- Structure characteristics of the plaster
 - thickness, function, number of layers and reinforcing mesh
- The main methods of bonding layers
- Technical details for fixing services and furniture
- Technical details for finishing internal and external corners, second fix carpentry, openings and ceiling and floor joints
- Finished plaster quality to achieve the required standard for the particular conditions of use
- Wind and air tightness of plasters and joins
- Surface finishes and how to create them
- Preparing the background and applying clay plaster:
 - Current legislative workplace requirements
 - Tools, machinery and equipment
 - The order of work
 - Safe and healthy working practices

Skills

- Carry out the principal background preparations following instructions (cleaning; create a rough bonding layer from such as reed mat, hessian, rough paint or scratching; apply a key coat)
- Protect adjoining surfaces
- Prepare usual fixing points for services and under supervision prepare complex detailing (eg air tightness and in-wall heating)
- Apply all shaping preparation for joins, corners and openings
- Apply the plaster and produce a flat surface
- Produce straight and rounded edges, finish internal and external corners, openings and joins
- Apply reinforcing mesh
- Apply at appropriate intervals key coat, base and finish coats and achieve the desired finished plaster quality
- Execute common surface finishes according to the specifications
- Calculate quantities, check supplies and prepare materials
- Select and use appropriate tools, machinery and equipment to prepare the background and apply different layers including the surface finish
- Organise the work place
- Comply with current legislation, official guidance and workplace safety requirements at all times

Competence

- Assess the characteristics of common backgrounds and make an appropriate choice of bonding layer
- With the materials provided plan and organise the application of the different layers for usual and predictable building sites
- Control the quality of the work throughout preparation, application and the finish
- Work logically with the building schedule and with other trades, identify problems and record and report in accordance with occupational procedure
- Advise on application techniques



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Criteria for the Evaluation of Skills

Criteria	Indicators
Suitability of the plaster	<ul style="list-style-type: none"> • The surface is sound (hard, not dusty or sandy, resistant to damage) for the particular conditions of use • The surface has no cracks • The plaster adheres firmly to the background • The layers are well bonded
Quality of the surface	<ul style="list-style-type: none"> • The surface flatness is according to the specifications • The surface is homogenous • The finish accords with the specifications
Quality of detailing	<ul style="list-style-type: none"> • The joints are neat where plaster meets a different material. A straight and neat separation line is executed at junctions with flexible building elements. • The corners are straight and their degree of curvature conforms to the specifications • Pipes and conduit are properly fixed within the plaster leaving no visible trace
Plaster Structure	<ul style="list-style-type: none"> • The mix and thickness of the different plaster layers conform to the specifications • The drying time between the different layers is sufficient • The reinforcing mesh is entirely embedded in the plaster layer
Preparations	<ul style="list-style-type: none"> • The adjoining surfaces are protected • If necessary the background has been cleaned; moistened and keyed • If a background key has been applied, it has been applied correctly

Ensure that standards of work and materials comply with relevant codes of practice and to current standards.

Criteria for the assessment of the method of work (criteria of skills evaluation)

Unit C	Method of Work	Level 3
SUB-CRITERIA	INDICATOR	
Organisation	The examinee is able to: <ul style="list-style-type: none"> locate and access tools, equipment and materials check the availability of building materials logically organise the work space and the order of tasks 	
Economy of materials and time	<ul style="list-style-type: none"> Optimum use of materials and time - no wastage 	
Use of tools and machines	<ul style="list-style-type: none"> Appropriate choice of tools and machines Machines used according to operating instructions Ergonomic handling and use of machines, tools, equipment and materials Skillful and careful handling and use of tools, machines, equipment and materials 	
Work place	<ul style="list-style-type: none"> Tools and material are set out logically for maximum efficiency Tools and machines are cleaned and returned tidily to their correct place Surplus materials are properly collected and stored 	
Time	<ul style="list-style-type: none"> The work is completed within the allocated time in accordance with the programme of work 	
Safety	Compliance with Construction site health & safety <ul style="list-style-type: none"> The equipment is appropriate for purpose and has been risk-assessed All Protective safeguards are in place Erection of ladders and scaffolding according to regulations 	
Waste	<ul style="list-style-type: none"> Waste is appropriately sorted, stored, recycled, removed and disposed of according to regulations 	
Communication	<ul style="list-style-type: none"> Problems during the working process or any deviation from the specifications are reported The finished work is described / explained orally Progress and the various stages of work are discussed with the work team Instructions that are not understood are questioned 	