

UNIT C Level 2

Application of Clay Plaster

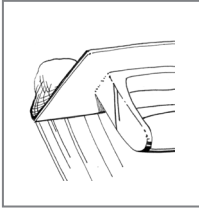
Learning outcomes Criteria and indicators

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First edition: Leonardo da Vinci Project, Lernpunkt Lehm 2007-2009





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Knowledge

- Different kinds of surfaces to be plastered
- Properties and criteria for assessment of the background: roughness; absorption capacity; stability
- Areas of use for clay plaster
- Function, thickness and principal differences between base coat and finish coat
- The main methods of bonding layers
- Technical details for fixing common services eg for electrical back boxes
- Technical shaping details for corner protection such as rounding; technical finishing details for such as abutment against wood; use of straight cuts where plaster meets flexible building elements; detailing for skirting (boards or tiles)
- Surface finishes and how to create them
- Preparing the background and applying clay plaster:
 - Current legislative workplace requirements
 - Relevant codes of practice and current standards for quality of work and materials
 - 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 common detailing following instructions eg around fixing points, openings and edges
- Prepare and execute straight, rounded inner and outer corners
- Execute all work for joins following instructions
- Manually apply one of the layers in a plaster coat and produce a flat surface
- Execute a common sponged surface finish or a floated surface finish

- Set out materials
- Use the appropriate tools, machinery and equipment for maintenance, repair and surface treatments
- Organise the work place
- Comply with workplace safety requirements at all times

Competence

- Under direct supervision execute appropriate background preparation and manually apply a plaster layer
- Describe the steps taken in applying the layer and finishing the surface



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Criteria for the Evaluation of Skills

Criteria	Indicators
Quality of the plaster layer	<ul style="list-style-type: none">• The layer adheres to the background• The plaster layer is flat - any unevenness, hollows and high points taken out• The floated or sponged surface is fairly homogenous
Preparation	<ul style="list-style-type: none">• The adjoining surfaces are protected• The background has been prepared according to instructions

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 2
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 	