UNIT D Level 3
Interior design with clay plaster

Learning outcomes
Criteria and indicators

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**Knowledge**

- Clay in design: cultural and historical diversity
- Design techniques of clay plaster using colour, texture, surface finish and thickness of the layer
- Composition of fine and coloured finish coats using own made clay plaster, manufactured mixes, clay or earth powders
- Colouring and texturing additives
- Suppliers of manufactured products
- The colours of earth
- Basic knowledge of colour theory: colour symbolism, colour ordering, colour contrasts, effects of colour
- Basic knowledge of interior design: surfaces and light, accents, subdivision of surfaces, colour balance
- Assessment and preparation of background
- Surface finishes and how to create them; sequencing of steps, tools and materials
- Joins between clay surfaces and joins with other materials
- Awareness of health and environmental issues in designing with clay plaster
- Preparation and application of fine and coloured finish coats:
  - 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**

- Create a design concept for the combination of two different surfaces in a room
- Prepare clay plasters for decoration varying the hue and lightness of the manufactured or own made plasters by either adding pigments or by mixing the plasters
- Make and compare sample boards and sample wall panels with own made and manufactured plasters
- Prepare the background
- Protect adjoining surfaces
- Sub-divide wall surfaces, make different plasters based on the sample boards, and apply them according to the design
- Make 2 different surface finishes and textures-floated, sponged, or with decorative surface structures
- Execute joins between clay surfaces and with other materials
- Calculate quantities, check supplies and prepare materials
- Select and use appropriate tools, machinery and equipment for the preparation and application of fine and coloured finish coats including the surface finish
- Organise the work place
- Comply with current legislation, official guidance and workplace safety requirements at all times

**Competence**

- Have an appreciation of the aesthetic and environmental impact of different plaster surfaces and finishes
- Describe the design concept making reference to contrast, colour balance and accents
- With the materials provided, plan and organise the preparation and application of several fine and coloured finish coats for usual and predictable building sites, according to the design brief
- Awareness of the value of experimental work in the personal creative process
- Control the transference of the design; control the accurate colouring and texturing of the plasters according to the design brief
- Work in accordance with the building schedule and with other trades, identify problems and record and report in accordance with occupational procedure
- Advise on design possibilities with clay plaster and on application techniques
## Criteria for the Evaluation of Skills

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Indicators</th>
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<tbody>
<tr>
<td>Completion of the design concept</td>
<td>• The overall impression conforms to the design concept</td>
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<td>• Colour, texture and surface structure conform to the design brief</td>
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<td></td>
<td>• The wall surfaces are sub-divided according to the design brief</td>
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<td>Quality of the plaster mix</td>
<td>• The proportions to ensure a stable plaster without cracks are correct</td>
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<td>Workability</td>
<td>• The consistency is appropriate for the thickness of the layer and for the application technique</td>
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<td>• The texturing additives are appropriate for the thickness of the layer and for the application technique</td>
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<tr>
<td>Recipe</td>
<td>• Test samples are clearly marked with the proportions and ingredients</td>
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<td>• The colouring and texturing additives are precisely measured</td>
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<td>• The chosen recipe from the test results</td>
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<td>• Is suitable for selected surface finishing technique</td>
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<td>• is clearly written down and can be repeated</td>
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<td>• The quantities of the different constituents have been calculated according to the recipe</td>
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<td>Surface quality</td>
<td>• The colour is homogenous</td>
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<td>• The surface is homogeneous with regard to the surface finish</td>
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<td>Quality of Detailing</td>
<td>• The joins between clay plaster surfaces and other materials are neat and straight</td>
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<td>Preparation</td>
<td>• The materials are soaked for the appropriate time</td>
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<td>• The materials are sized and sieved for the appropriate purpose</td>
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<td>• The adjoining surfaces are protected</td>
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<td>• If necessary the background has been cleaned, moistened and keyed</td>
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<tr>
<td>Sample Boards</td>
<td>• Sample boards have an appropriate key for the sample plaster finish, are well executed and can be easily transported without damage</td>
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Ensure that standards of work and materials comply with relevant codes of practice and to current standards.
<table>
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<tr>
<th>SUB-CRITERIA</th>
<th>INDICATOR</th>
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| Organisation | The examinee is able to:  
• 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 | • Optimum use of materials and time - no wastage |
| Use of tools and machines | • 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 | • 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 | • The work is completed within the allocated time in accordance with the programme of work |
| Safety | Compliance with Construction site health & safety  
• 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 | • Waste is appropriately sorted, stored, recycled, removed and disposed of according to regulations |
| Communication | • 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 |