

ECVET Earth Building	<b>Production of bricks and prefabricated earthen elements</b>	<b>Unit P</b>
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<b>Learning outcomes</b>		<b>Level 5</b>
KNOWLEDGE	SKILLS	
<ul style="list-style-type: none"> <li>- Different types of production lines for bricks, blocs and other elements</li> <li>- Organisation and installation of a specific production (fixed and mobile)</li> <li>- Criteria for selection of equipment for shaping, curing, drying and storing</li> <li>- Innovation and developments related to production of prefabricated earthen elements</li> <li>- Specific life cycle of earth materials</li> <li>- Relevant codes of practice and current standards for production and testing</li> </ul>	<p><b>Planning</b></p> <ul style="list-style-type: none"> <li>- Design the production site (space, workers, equipment)</li> <li>- Choose the optimum equipment in the context and scale of the production site needed</li> <li>- Calculate impacts in time and money</li> <li>- Estimate the quantities of mix needed for each days production</li> </ul> <p><b>Coordination</b></p> <ul style="list-style-type: none"> <li>- With the team install the production site</li> <li>- Organise the team for the optimum production, from shaping to storage</li> <li>- Organise the delivery and control of materials for production</li> <li>- Document productivity, consumption, incidents</li> <li>- Organise the maintenance of equipment</li> </ul> <p><b>Controls</b></p> <ul style="list-style-type: none"> <li>- Test production applying testing procedures according to national regulations and rules</li> <li>- Control quality at each step of the production: shaping, curing, drying, storing</li> <li>- Test quality on the final product</li> <li>- Check the correct application of the site health &amp; safety plan</li> </ul>	
COMPETENCE		<b>Level 5</b>
<ul style="list-style-type: none"> <li>- Create confidence on production site and underline the particular issues relating to earthen materials and prefabricated elements through site inductions and training where necessary</li> <li>- Manage the efficient production of the earth products</li> <li>- Control the production to be conform to specification and regulations</li> </ul>		

ECVET Earth Building	<b>Production</b> Adobe, CEB, extruded bricks	<b>Unit P</b>
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<b>Criteria and Indicators for the Assessment of Skills</b>		<b>Level 5</b>
Criteria	Indicators	
Planning	<ul style="list-style-type: none"> <li>- The production line is well designed</li> <li>- Equipment is well chosen for the production needed</li> <li>- Consumption of earth mix is well estimated</li> <li>- Ratio of human resource, material and equipment ensures productivity</li> </ul>	
Coordination	<ul style="list-style-type: none"> <li>- The workers are aware of the requirements of the earth materials</li> <li>- The brick production site is well installed</li> <li>- The production of bricks is optimum in quantity and quality</li> <li>- Useful data is collected</li> </ul>	
Controls	<ul style="list-style-type: none"> <li>- Each step of the production is well controlled by the team (level 3 and 4)</li> <li>- The intended quality of the product is achieved</li> <li>- Stocks of the different types of bricks are well stored and well protected</li> <li>- The production is managed safely: <ul style="list-style-type: none"> <li>o Personal protection equipment is adapted to risks and is used according to safety instructions</li> <li>o Equipment is used according to safety instructions.</li> <li>o All protective safeguards are in place</li> <li>o Erection of ladders and scaffolding according to regulations</li> </ul> </li> </ul>	

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