

ECVET Earth Building	Formwork	Unit F
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Learning outcomes		Level 5
KNOWLEDGE	SKILLS	
<ul style="list-style-type: none"> - Types of formwork, assembly, safety, storage, providers - Earth building technique and its specific needs in formwork - Selection criteria for formwork choices (cost, strength, weight, size, surface quality, etc.) 	<p>Planning</p> <ul style="list-style-type: none"> - Establish the profile of specific formwork needed depending on site organisation (storage area, lifting equipment/crane), earth technique, surface quality, etc. - Calculate impacts in time and money - Check safety installation and working methods with the formwork - Choose between buying or renting - Check stresses can be absorbed by the formwork - Adapt the formwork system or plan for specific works - Communicate specific recommendations for use and maintenance - Define the quantity of formwork need depending on plan and program (coursing and rotation of the shutters) - Assess formwork choice related to the quality of construction required <p>Coordination</p> <ul style="list-style-type: none"> - Coordinate the team and organise the workforce for the optimum workflow in formwork production, setting and rotation - Adapt the quantity of shutters to the planned work and the real speed of use - Manage block-outs, openings, fixing points - Manage with other professions or trades specific technical installations inside the formwork (electrical & other services, etc.) <p>Controls</p> <ul style="list-style-type: none"> - Check if the position and stability are properly controlled - Check the correct application of the site health & safety plan 	
COMPETENCE		Level 5
<ul style="list-style-type: none"> - Create confidence on site and underline the particular issues relating to formwork systems for earth through site inductions and training where necessary - Apply safety rules, specifically related to the rotation and stripping of the formwork - Verify the quality of the formwork is appropriate - Make a preliminary design (dimensions), detect underlying errors in the plans, make changes if necessary and get validation by the engineer 		

ECVET Earth Building	Formwork Rammed earth and Cob	Unit F
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Criteria and Indicators for the Assessment of Skills		Level 5
Criteria	Indicators	
Planning	<ul style="list-style-type: none"> - The type of formwork is well selected - Procurement of materials is well organised - Earth formwork activities are included in the site health & safety plan 	
Coordination	<ul style="list-style-type: none"> - Equipment storage/maintenance area is well organised - The workers understand the requirements of rammed earth and cob formworks 	
Controls	<ul style="list-style-type: none"> - Formwork position and stability conform to requirements - All technical installations, fixings, services are in place - The formwork is managed safely: <ul style="list-style-type: none"> ○ Personal protection equipment is adapted to risks and is used according to safety instructions ○ Equipment is used according to safety instructions. ○ All protective safeguards are in place ○ Erection of ladders and scaffolding according to regulations 	

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