



U5 – Finishes

<p>Objectives:</p> <p>Trainees are...</p> <ul style="list-style-type: none"> • able to organize building site, materials and tools for plaster/render • aware of health and safety correlated to other workers, building site, machinery, equipment, PPE (personal protective equipment) and of issues specific to working with clay • able to explain the structure of a clay plaster/render with it's several layers • able to apply the 1st base coat of a multilayer plaster/render • able to apply the base "filling layers" to make the wall even. • able to apply a reinforcement mesh <p>Methods:</p> <ul style="list-style-type: none"> • Practical exercises at a workshop or building site together with theoretical support. 	<p>Trainer:</p> <p>Place: Workshop</p> <p>Duration: 1 day</p> <p>Equipment's: samples of earth and sand and/or ready to use clay mixture, straw fibre, tools and kits for plastering, electric mixer, personal protective equipment, mesh, water supply, electricity supply, water- and dirt-tolerant settings</p>	
<p>Theory</p>	<ul style="list-style-type: none"> • How and why to create a 1st layer to stick the plaster/render on the straw. • The structure and composition of clay multilayer plaster/render with their different thickness. • Drying timings of the different layers and ventilation procedures to ensure drying. • Connection between layers: texturize and wet the surface. • The protection of a drying plaster/render from weather conditions 	<p>Documents:</p> <p>Trainer sheet</p> <p>T1 T2 T3</p> <p>Info sheet</p> <p>I1</p> <p>Text sheet</p>
<p>Practical</p>	<p>Exercises:</p> <ul style="list-style-type: none"> • To apply a clay slip by hand or using a mechanic spray. • To apply base layers with clay and straw to achieve an even wall. • To reinforce by applying mesh. • To check the thickness to guarantee bracing function as load bearing material • To check good execution to guarantee a minimum thickness to fire protection, to air tightness, to water proof, to phonic insulation and to rodents and insects protection. 	<p>X1 X2 X3</p> <p>Slide show</p> <p>Evaluation: Multiple choice Practical exercises evaluation</p>
<p>Organisation</p> <p>Have a strawbale wall surface with the different coats ready for the next layer (preparation during 2 previous weeks). Working space for each group resistant to water and mud preferably with roof above.</p>		