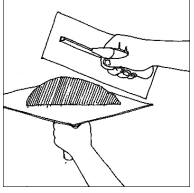


U5 - Finishes

<p><b>Objectives:</b></p> <p>Trainees are ...</p> <ul style="list-style-type: none"> <li>• able to organize building site, materials and tools for plaster/render</li> <li>• aware of health and safety in relation to other workers, building site, machinery, equipment, PPE (personal protective equipment) and of issues specific to working with lime</li> <li>• able to explain the structure of a lime plaster / render with its several layers</li> <li>• able to apply the 1st base coat of a multilayer plaster / render</li> <li>• able to apply the base “filling layers” to make the wall even</li> <li>• able to apply a reinforcement mesh</li> </ul> <p><b>Methods:</b></p> <ul style="list-style-type: none"> <li>• practical exercises at a workshop or building site together with theoretical support.</li> </ul>		<p><b>Trainer:</b></p> <p><b>Place:</b> Workshop</p> <p><b>Duration:</b> 1 day</p> <p><b>Equipment's:</b> Hydraulic lime, air lime, sand and/or ready to use mixtures, short fibres, tools and equipment for plastering, electric mixer, personal protective equipment, mesh, water supply, electricity supply, suitable working area for wet/dirty work with temporary protective equipment (spot boards, tape, plastic sheeting).</p>
<p><b>Theory</b></p>	<ul style="list-style-type: none"> <li>• How and why to create a 1st layer to bond the plaster / render into the straw.</li> <li>• The structure and composition of lime multilayer plaster / render with their different thickness.</li> <li>• Drying/carbonating timings of the different layers and tending (control of humidity, exposure, ventilation, etc) procedures to ensure drying/carbonating.</li> <li>• Connection between layers: remove sinter layer, texturize and wet the surface.</li> <li>• The protection of a drying render from weather conditions.</li> <li>• The need of having humidity on the wall during drying period.</li> </ul>	<p><b>Documents:</b></p> <p>Trainer sheet T1</p> <p>Info sheet I1 Lime plaster building site example Holand</p> <p>Text sheet X1</p>
<p><b>Practical</b></p>	<p>Exercises:</p> <ul style="list-style-type: none"> <li>• To apply a lime slip by hand or using a mechanical spray.</li> <li>• To apply base layers of lime with or without fibres to achieve an even wall.</li> <li>• To reinforce by applying mesh.</li> <li>• To check the thickness to guarantee bracing function as load bearing material.</li> <li>• To check good execution to guarantee a minimum thickness for fire protection, air tightness, water proof, acoustic performance and rodent and insect protection.</li> </ul>	<p><b>Evaluation :</b></p> <p>Multiple choice Practical exercises evaluation</p>
<p><b>Organisation:</b></p> <p>Have a straw bale wall surface with the different coats ready for the next layer (done before with enough time for drying). Working space for each group resistant to water and mud preferably with roof above.</p>		



## S7 – Direct plastered / rendered lime base coat(s)

Session Plan



**S7**

**U5 - Finishes**