

**Knowledge**

Trainees know ...

- the tools and machines used on the building site for plastering and cladding straw bale walls. They know specific requirement for finishes on straw bale building site
- the possible dangers, safe working practices, accident prevention regulations and security data sheets
- about the specifics of plaster/render materials, their advantages and disadvantages, how to make proper mixtures and how to work with
- about the specifics of the cladding materials and fastenings, their advantages and disadvantages, how to make the right connections and dimensions
- the basics of weather proofing, wind- and air tightness, fire protection and vapour barriers for rendering/plastering finishes of straw bale building
- the basics of weather proofing, wind- and rain tightness, rainwater drainage, protecting barriers and supporting constructions for cladding systems
- good detailing for plastering/rendering/cladding straw bale walls
- why and how to make rendering/plaster samples to choose the right mixture
- the different surface structures and treatments and their advantages and disadvantages
- how to prepare the substrate for the plaster
- the consistence of plaster / render and how and when to use meshes
- how to prepare the straw bale wall for the cladding system and how to install the different systems

Skills

Trainees can ...

- handle tools and machines which are used for different plastering/rendering and cladding systems
- prepare the substrate
- prepare the plaster/render mixture
- execute different plaster systems
- prepare the wall and install the supporting constructions for cladding
- prepare and install the cladding systems
- estimate the dangers of handling with these materials and can minimise risk
- execute proper airtightness, wind- and rain-proof details and take care for good rainwater drainage
- organize and do the work on time
- calculate the rendering/plastering and cladding quantities
- apply different surface structures, treatments and protecting paint coats.

Competence

Trainees can ...

- be 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 earth, lime and cladding systems
- organize the building site at all stages
- explain different examples of rendering/plastering and cladding systems, making reference to advantages and disadvantages of each and can announce concerns