



U2 – Infill and Prefab

<p>Objectives:</p> <p>Trainees ...</p> <ul style="list-style-type: none"> • know the infill construction techniques • know different structural options • know the dis-/advantages of every solution • are aware of health and safety issues related to co-workers, building site, machinery, equipment, PPE (personal protective equipment) and the issues specific to work with straw and straw bales. • can organize building sites at all stages (i.e.: take responsibility to leave the building site rain- and windproof, keep strawstacks fire protected, remove loose straw after work,...) • can take responsibility for the requirements of straw building in a “normal” building routine • know the details (window, roof junction,...) for infill construction techniques <p>Methods:</p> <p>Practical training, supervising training work</p>		<p>Trainer:</p> <p>Place: Workshop</p> <p>Duration: 2 days</p> <p>Equipment’s wood screws straw bales tools</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">T H E O R Y</p>	<ul style="list-style-type: none"> • Different structural options of infill construction techniques and their characteristics and bale requirements. • Fixing bales with different techniques • Compressing bales with different systems • Advantages and disadvantages of infill construction techniques • Details of connections: foundation, corners, windows and doors, roof, etc. • Preparing different surfaces for plastering • Viewing and study of existing building samples 	<p>Documents:</p> <p>Trainer sheet T1</p> <p>Info sheet I1 Infill Austria I2 Infill France</p> <p>Text sheet X1</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">P R A C T I C E</p>	<p>Task</p> <ul style="list-style-type: none"> • Working groups • Preparing wooden frames and structures • Infill straw bales in standing position (“on edge”) • Compress the bales with different techniques • Fixing the bales in the construction • Airtight/windproof installation of a window • Shaving the bales, if necessary • Preparing bales/boards for plastering 	<p>Slide show</p> <p>Evaluation</p> <p>Multiple choice</p>
<p>Organisation</p> <p>20 straw bales for each group</p> <p>Wood parts, boards and joints (screws, nails, brackets, staples) see material list</p> <p>Tools see tool list</p>		