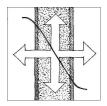
U6 – BUILDING PHYSICS AND SUSTAINABILITY

Learning Outcomes

U6



LEVEL 3 – ECVET Credit points: 10

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Skills

Trainees know	Trainees can
 the characteristics of the different materials (λ [Lambda], ρ [Rho], μ [My], w, w₂₄, CO₂ storage,) the forms of heat transfer (conduction, radiation, convection). the importance and principles of cold and heat protection in winter and summer about basics of thermal bridges importance of airtightness and windproofness the humidity transport (vapour, capillary) and the principles of moisture protection how to protect against flooding inside and outside the s_D value of different cladding materials the principles of fire protection with building matter and constructive elements 	 construct buildings with reduced thermal bridging build airtight details and detect air leakages and repair them select appropriate materials for different construction details protect the straw bales from water, moisture and fire

Competence

Trainees can ...

- ensure weatherproof conditions for building site (including straw bale storage, overnight and during longer breaks),
- create airtightness and avoid thermal bridges as well as handle humidity problems.
- take care of fireproof situations .