

BUILDING MATERIALS AND THEIR PROPERTIES



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Výuka jazyků
prostřednictvím ICT

CZ.1.07/1.1.10/03.0026

Building Materials

- Any material used for a construction purpose
- Natural materials (clay, sand, wood, rock...)
- Man-made materials (concrete)

Fabric

- Revived with a development of tensile architecture and synthetic fabrics
- Used among nomadic groups
- Two well-known types: conical teepee, circular yurt

Rock

- Longest lasting material available
- Dense material, also offers protection
- Drawbacks: weight and it is hard to keep it warm

Thatch

- One of the oldest building materials known
- Grass: good insulator, easily harvested
- Revival of thatch roofs in Netherlands

Ice

- Used by the Inuits for igloos
- In northern areas there are many ice hotels built to attract tourists

Concrete

- Composite building material (made from an aggregate and a binder)
- Most common form: Portland cement concrete
- In constructions strengthened by steel rods / bars (reinforced concrete)

Clay

- Use depending on the quality of soil and clay amount in it
- High clay soil uses a cob style
- Low clay soil uses a sod building

Sources

http://en.wikipedia.org/wiki/Building_material,
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