

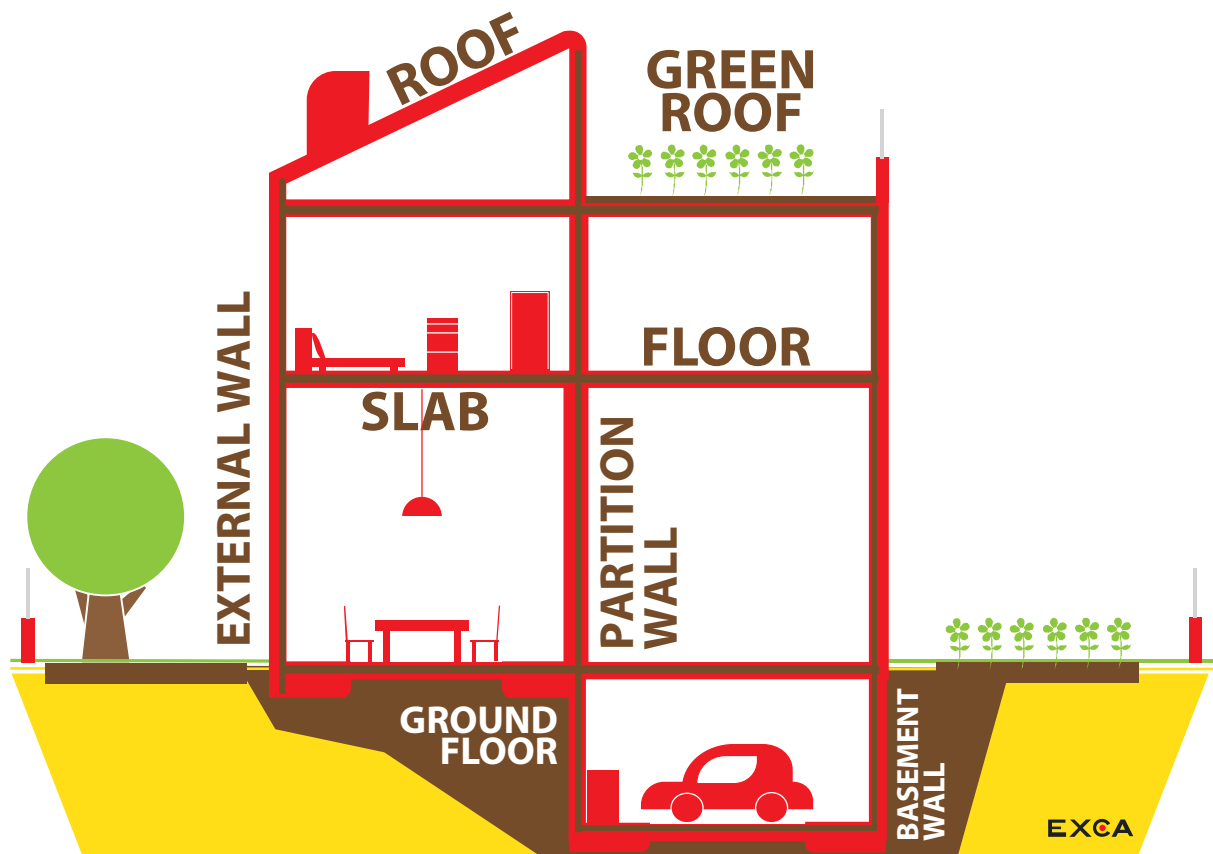
buildings

Expanded clay aggregate is used extensively in new buildings, the restoration of historical buildings and renovation projects.

Expanded clay can be used in all elements of construction from foundations to rooftop. It is primarily used in internal and external masonry walls, both in

blocks and mortar as well as providing insulating layers in floors, roofs and basements. When used in house building, **the material offers high levels of thermal and acoustic comfort and contributes to improved energy performance and home environment quality.**

The unique material properties provide solutions for stabilizing and restoring foundations of historical buildings while preserving the original structures.



Floor

- Lightweight
- Thermal insulation
- Acoustic insulation

Light weight mortar and concrete

- Lightweight
- Durable
- Thermal insulation

Roof insulation

- Thermal insulation
- Acoustic insulation
- Lightweight

Basement wall

- Thermal insulation
- Drainage
- Low earth pressure

Green roof

- Lightweight
- Drainage
- Water absorption

Ground floor

- Drainage
- Radon ventilation
- Thermal insulation

External wall systems

- Thermal insulation
- Lightweight
- Durable

Partition wall load bearing

- Sound insulation
- Fire resistance
- Durable

Partition wall non load bearing

- Acoustic insulation
- Fire resistance
- Durable