

Bricabloc: Unfired Clay Bricks

www.bricabloc.fr

Bring thermal inertia to your home!

- Different modes of compressed earth bricks.
- Training and site start-up.
- Participatory construction.
- Press rental.
- Local production.

SOLAR WALLS

TROMBE WALLS

PARTITION WALL

Some constructions

Characteristics of earth bricks

- Thermal inertia
- Humidity control
- Local production

OUR WORKSHOP

DRYING FUNNEL

PALLETS PACKED FOR TRANSPORT

Unfired clay brickwork has been shown to provide passive environmental control in buildings through buffering of the temperature in the building (through the provision of thermal mass), and through buffering relative humidity by absorbing moisture from the air at high humidity, and releasing it at low humidity.

About unfired clay brickwork

Modern unfired clay brickwork uses units manufactured to accurate tolerances using a commercial extrusion or pressing system to provide a consistent, high quality product.

This enables rapid, cost effective, 110mm thick walls with low environmental impact to be constructed. In most cases, modern unfired clay bricks are produced in commercial fired brick manufacturing plants using similar materials to fired bricks, but without putting the bricks through the firing process. This significantly reduces the energy used in manufacture and previous research has indicated unfired bricks have 14% of the embodied energy of fired bricks and 25% of the embodied energy of concrete blocks.

In Germany, some fired brick plants have moved to making only modern earth masonry and associated products.