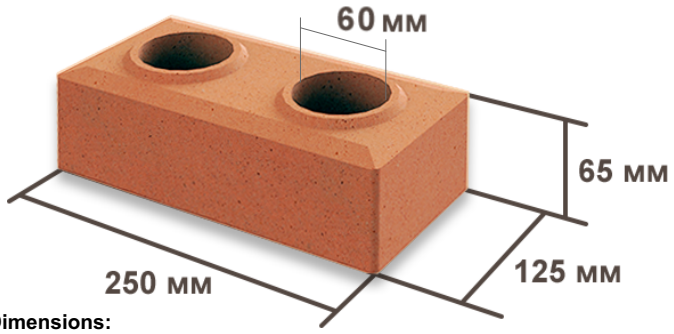
Information sheet - Mořina brick

Main advantages:
- high compressive **strenght**, low absorbency
- simplicity masonry - precise fittings fit into each other, without the need for jointing
- self-help construction = significant savings in masonry works
- possibility to build-in electrical wiring, drainage and water distribution without cutting into the walls
- low carbon footprint thanks to economical production technology and natural material composition
- the possibility of using alternative insulation materials (e.g. polystyrene beads, expanded clay, etc.) instead of laborious clasic insulation systems = **significant financal savings**



Dimensions:
250x125x65mm (Austrian format)

Typical use:
Masonry elements made of natural aggregate are mainly intended for facade masonry and for load-bearing or non-load-bearing structeres (typically perimeter walls, garages, retaining walls, garden structeres, fencing atec.), but also for plastered parts of masonry such as inner partitions.
Due to the high density of natural aggregates, they have good thermal insulation properties and are very little absorbnt compared to ordinary burnt brick or ceramic moldings.
Due to their geometry, the bricks are particulary suitable for conducting vertical plumbing systems distribution without the need to break the masonry element.

Compressive strenght: 19,4 MPa
according to ČSN EN 772-1+A1

Frostbite: 24,5 MPa
according to ČSN EN 772-18

Absorbency: $C_{w,s}$ = 4,7 x 10^6 g/m^2s
according to ČSN 772-11:2011

Volumetric weight: 2200kg/m^3
according to ČSN 772-13

Weight of 1 brick: 3,69kg
according to ČSN 772-16

Packaging:
270 bricks/pallet
1000kg/pallet
Pallet size: 1200x800mm

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Approximate consumption:
- supporting beam: 62pcs/m^2
- insulated perimeter wall: 124pcs/m^2
- fence : 145pcs/m
  (high 2m, full wall + posts 3m each)

Examples of use:


Family houses


Facade cladding


Fencing


Garden buildings


Garages

Construction details: