

## Clay block Application class Ib Item No. 07.002 NF 1800

DIN 18945

- Very strong
- Can be used for load-bearing masonry
- For the renovation of solid clay buildings



Mould-made clay block of application class Ib (= approved for load-bearing walls). Can you build load-bearing walls with clay? Yes, with the clay block 1800 NF. 30 years ago, CLAYTEC developed this block, which is unique on the market. The normal format (NF) makes it particularly suitable for small-scale repairs of historic solid clay buildings. Heavy clay masonry mortar is suitable as a mortar.

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Product data and application  
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**Clay block, application class Ib****Item. No. 07.002 NF 1800****Clay block - load-bearing - DIN 18945 - LS f - 2.0 - NF**

**Field of application** Mould-made clay blocks of application class Ib for exterior masonry that is plastered all over and exposed to weathering. Can be used for load-bearing masonry. For non-load-bearing interior and exterior walls. For repairing small areas and masonry replacement measures in historic solid clay buildings.

**Composition** Building clay

**Material properties** Mould-made clay block. Application class AK Ib Compressive strength class 2. NF (normal format) Solid blocks. Gross density class 2.0.  $\mu$ -value 5/10. Thermal conductivity 1.10 W/m·K. Building material class A1.

**Supply form** Shrink-wrapped on pallets of 416 units Breakages  $\leq$  4%.

**Storage** Can be stored dry for an indefinite period. Up to three pallets can be stacked on top of each other.

**Material needs** Depending on the block format and wall thickness, the following number of blocks per m<sup>2</sup> are needed (in units):

Block format	11.5cm	17.5cm	24.0cm	36.5cm
NF	50	-	99	148

For mortar needs, see the heavy clay masonry mortar product sheet.

**Processing** Work with clay blocks according to the rules of masonry. Pre-wetting the clay blocks in the horizontal masonry joints increases the masonry's strength. We recommend heavy clay masonry mortar (CLAYTEC 05.020, 05.220) as masonry mortar. If lime plaster is planned, scrape out the joints in the fresh masonry sharply to create a recess of approx. 0.3 mm.

**Renovation of solid clay buildings** Repairs to historic solid-clay buildings are carried out to the instructions of the site manager, particularly when working on load-bearing building components. Ensure protection against rising damp. The blocks are normally laid using heavy clay masonry mortar. Cementitious swelling mortar can be used to achieve a non-positive bond of the upper connection to the existing building.

**Subsequent processing** Interior walls are usually plastered with CLAYTEC clay plaster mortars; please refer to the CLAYTEC "Clay plasters worksheet".

Solid exterior walls are plastered to the instructions of the site manager.

Leave visible masonry untreated, or pre-wet (spray mist) and painted or slurried directly.

**Notes** Clay blocks from application class AK Ib may not be used for nogging visible timber frames that are exposed to weathering, even if exterior plastering is planned.

Because of the production process, clay blocks 1800 NF may display unusually high deviations in terms of flatness and parallel alignment of the outer surfaces. This does not constitute a reason for refund.