

Light clay block 1200

Application class Ia, approx. NF format

Item No. 07.010, 07.011

DIN 18945

- The classic timber-frame block
- Excellent drying potential
- High moisture resistance



Lightweight mould-made clay block of application class Ia, approved for timber-frame infill masonry.

The composition and manufacturing process make the Light Clay Block 1200 highly resistant to moisture and frost.

The traditional normal format (NF) fits well in the hand and is ideal for infill panels. The blocks can be easily shaped and cut.

Quality Q1 (Item 07.010) is particularly sharp-edged, dimensionally accurate, and even.

Suitable mortar: lightweight clay masonry mortar. Recommended plaster: coarse lime basecoat render with hair.

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Item 07.010, Q1: Clay block (LS) – non-load-bearing – DIN 18945 – f – Ia – 1.2 – NF

Item 07.011, Q2: Clay block (LS) – non-load-bearing – DIN 18945 – f – Ia – 1.2 – S*

Field of application Mould-made clay block for exterior timber-frame walls with subsequent lime exterior plaster, interior timber-frame walls, facing layers, and non-load-bearing interior masonry.

Composition Building clay, wood shavings, and chopped straw

Material properties Solid blocks, not perforated. Application class Ia. Bulk density class 1.2. Thermal conductivity 0.47 W/m·K. μ -value 5/10. Building material class B2 (better classification possible, see Lehmbau Regeln DVL 2009, p. 97). Block format 07.010 NF, block format 07.011 special format approx. NF, dimensions see below.

Qualities The qualities Q1 and Q2 differ with regard to sharpness of edges, dimensional accuracy, and flatness.

Supply form Shrink-wrapped on pallets, NF with 416 units. Breakage \leq 4%.

Storage Dry storage possible indefinitely. Three pallets can be stacked on top of each other.

Material requirements Depending on wall thickness, the following number of blocks per m² results in units / mortar requirement in liters (bed joint 12 mm, head joint 10 mm):

11,5 cm*	24,0 cm*	horizontal (dry construction)
50 units / 30 l	100 units / 70 l	38

Mortar requirement see product sheet lightweight clay masonry mortar (ClayTec 05.022, 05.222, 10.122).

Processing Light clay blocks are installed using lightweight clay masonry mortar (ClayTec 05.022, 05.222, and 10.122).

The bonding rules of masonry construction apply. Pre-wetting the light clay blocks in the bed joint of the masonry increases the masonry strength. Strike masonry joints flush. If lime plaster is planned, scratch out the fresh joints to improve later plaster adhesion, if necessary up to max. 3 mm with sharp edges, or press in with a jointing tool.

Subsequent treatment Allow masonry to dry completely.

For exterior timber-frame infill, carefully pre-wet each panel before plastering! Plaster with gräfix coarse lime basecoat render with hair (ClayTec 21.200). For selection of the plaster system and execution, knowledge of the ClayTec "Timber-frame worksheet" is required.

Pre-wet interior walls, plaster with ClayTec clay plaster mortars, see "Clay plaster worksheet."

Notes The clay block 07.011, Q2 may, due to the manufacturing process, exhibit unusually high deviations in terms of flatness and parallelism of the boundary surfaces. Complaints cannot be derived from this.

*Nominal dimension deviation Item 07.011 from NF format according to DIN, approx. dimensions: l 252 mm, w 119 mm, h 70 mm.

Minimum dimensions, maximum dimensions, and dimensional ranges analogous to the permissible deviations DIN 18945, Table 4, for NF rows 2, 5, and 9.