Product sheet

ClayTec®

Clay at its best.

Clay brick heavy 3DF and 2DF 2000, load-bearing

Art. 07.033 / 07.032

- **for masonry according to DIN 18940**
- **for economical bricklaying**
- **wall thickness 17,5 cm and 24 cm**

07.033

07.032

The heavy clay bricks 3DF and 2DF 2000, load-bearing, are heavy extruded clay bricks of application class II for clad, weather-protected exterior masonry and any type of interior masonry, with a hole fraction ≤ 15%. They are suitable for load-bearing clay brick masonry and meet the compressive strength class 5 according to DIN 18945. The 3DF format allows for economical single-layer bricklaying of walls 17,5 and 24 cm thick. **ClayTec clay mortar is suitable as mortar.**

ClayTec®

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Changes and errors excepted.
Current version available at
claytec.com

Product data and application see reverse

ClayTec®
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Clay brick heavy
Application class II, format 3DF and 2DF

Art. 07.033 Clay brick (LS) - load-bearing - DIN 18945 - sg 5 - II - 2,0 - 3DF
Art. 07.032 Clay brick (LS) - load-bearing - DIN 18945 - sg 5 - II - 2,0 - 2DF

Field of application Extruded clay brick for load-bearing, clad, or otherwise constructively weather-protected exterior masonry and interior masonry.

Composition Construction clay

Building material values Application class AK II. Format 3DF and 2DF. Solid bricks with holes. Compressive strength class 5. Bulk density class 2.0, bulk density approx. 1900 kg/m^3. Thermal conductivity 1.0 W/m·K. μ-value 5/10. Building material class A1.

Component values Suitable for load-bearing masonry according to DIN 18940. Characteristic compressive strength fk 2.8 N/mm^2*, laid with ClayTec clay mortar 05.020, 05.220. Fire resistance class REI tfi,d 60 with wall thickness tF 240 mm, plastered on both sides.

Delivery form Covered on pallets, 07.033 3DF à 128 pcs, 07.032 2DF à 212 pcs, breakage ≤ 4%.

Storage Store dry. Storage is possible for an unlimited period. Do not stack pallets.

Material requirements Depending on the wall thickness, the following number of bricks per m^2 / mortar requirement in liters is needed (bed joint 12 mm, head joint):

brick format	11,5 cm	17,5 cm	24,0 cm	36,5 cm
3DF	-	33 Stk / 30 l	44 Stk / 50 l	-
2DF	33 Stk / 20 l	-	66 Stk / 55 l	99 Stk / 90 l

Processing The clay bricks are laid using ClayTec clay masonry mortar. Due to a current product change, we kindly ask you to request separate information.

For damage control in load-bearing masonry, layers of hydraulically bound or fired building materials extending at least 5 cm above the finished floor level must be formed on each floor slab.

The rules of the masonry construction association apply. The thickness of the bed and head joints should follow the octametric measurement system and should be between 6 mm and 15 mm. Clay brick masonry must be fully mortared in both bed and head joints.

The planned overlap dimension l_{ol} according to DIN EN 1996-1-1 must be at least 0.4 times the height of the brick h and at least 45 mm.

Corners and wall connections of bracing to braced walls are to be bricked in bond.

Subsequently inserted walls must be connected to existing walls in a suitable manner.

Further treatment Allow masonry to dry completely.

For exposed masonry, if necessary, to remove loose grains, wipe with a soft damp sponge (about 2-3 strokes), or alternatively gently polish with a soft wallpaper brush.

Before plastering, lightly moisten surfaces with a fine spray (damp-matte). Use ClayTec clay base plaster with straw, Mineral 20 or SanReMo; maximum layer thickness: 6 mm per coat.

Note The construction, dimensioning, and execution of load-bearing clay brick masonry are according to DIN 18940.

Clay bricks of application class II are not permitted for masonry exposed to the weather, even with planned exterior plaster.

Claims for compensation that do not result from factory mixing errors are excluded.
Subject to change and errors excepted. As of 2025/6.

* Value according to DIN 18940 for brick strength class 4, we are happy to provide separate information.