

Claytec light unfired clay bricks

Lightweight unfired clay bricks (2DF)

INTRODUCTION

Claytec clay bricks are unfired hand pressed earth bricks, made from a mixture of clay, sand and straw, that can be used for non-loadbearing walls. They have good acoustic properties and can help regulate temperature and humidity, making them ideal for 'breathing' constructions. Typically a clay brick wall is used as a partition wall and is built using clay mortar before being covered with a clay or lime plaster.

ADVANTAGES

- Clay products are ideal for historic building refurbishment and high comfort modern buildings
- Clay surfaces absorb and diffuse water vapour
- Clay absorbs odours
- Clay surfaces are cool in summer, warm in winter
- Clay is good at reducing noise levels
- Low embodied energy

GENERAL

Clay is one of the earliest used basic building materials but is now recognised as being a thoroughly modern and convenient building material with outstanding natural properties.

The material is ideally suited for high-comfort, low energy buildings. Clay's natural 'breathing' property, absorbing and diffusing water vapour and heat, helps offset swings in humidity and temperature. Clay also absorbs odours and is an effective sound insulator. Clay bricks are most often used in internal partition wall construction and cannot be used in loadbearing construction, unless the weight is carried by a timber or steel frame. The bricks are usually plastered with a coat of clay or lime plaster.

This product is particularly appropriate in restoration and refurbishment of historic buildings where new materials

are required to match existing natural materials. Clay bricks also offer the long term benefit in that they can be recycled. Claytec lightweight unfired clay bricks are ideal for partitions where thermal insulation is required. Claytec compressed bricks are better used where thermal mass is needed.

Claytec products, which are manufactured in Germany, also include clay board, plasters and mortars, and embody experience gained from over 15 years of working with clay on a commercial scale. They are high quality products widely used all over the continent.

For bricklaying, light clay mortar is used, which is a mixture of clay and sand. For plaster, Claytec clay plasters are recommended, with either a finish coat of clay plaster and natural paint or Tierrafino through colour finish.



PRODUCT DATA

Claytec light unfired clay bricks

Height	113 mm
Length	240 mm
Width	115 mm
Density	700 kg/m ³
Thermal conductivity	0.21 W/mK
Number of bricks / m ²	33 bricks/m ²
Packaged	350 bricks / 764 kg per pallet

Light Clay Mortar

1,200kg bag (1m ³ size)	Sufficient for 28m ² of clay brick wall construction
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SUPPLY

Availability

Claytec light unfired clay bricks, light clay mortar, compressed bricks, boards and plasters, and Tierrafino finish are available direct from Construction Resources.

SERVICES

Sales

For cost quotations please contact the Sales Department at the address below.

Technical

For further technical information on this product please contact a product specialist at the address below.