# linea 3011

FACING BRICKS
CATEGORY I, U



## TEXTURE, TYPE & COLOUR

The decorative brickwork (internal and/or external ashlar) has been constructed using a solid, sanded, authentic coal-fired brick with unique shades of colour. The bricks are laid by hand and firing is reduced by adding a fine coal mixture and carrying out laying by hand. As a result of the natural reduction through coal-firing, some facing bricks have the light look of a field kiln brick while a number of visible sides of the brick contain coal residue and signs of manual laying. Due to the atmospheric differences in the kiln, a number of bricks have paler sides and one darker side. The colour of the body is brown-red with nuances.

## RAW MATERIAL & PRODUCTION & VIEWS

This entirely natural product is made of alluvial clay from the Quaternary from the Scheldt valley.The brick is formed in a sanded mould by putting in a lump of clay and is fired at at least 1150 °C. The facing brick is a solid moulded brick and has a grained structure. It is free from lime and other inclusions and has at least one stretch and one head which are free from cracks and other aspects which negatively affect the overall appearance of the brickwork.

## TECHNICAL CHARACTERISTICS

The facing bricks are delivered with the following characteristics, in accordance with the CE, UKCA and Benor marks:

**CE mark according to EN 771-1: 2011 + A1: 2015 and UKCA mark according to BS EN 771-1 : 2011 + A1 : 2015**

| | |
|---|---|
| Manufacturing dimensions (L x W x H) | : *240x115x38 mm |
| Quantity / m² with a traditional joint | : ca. 80 (12 mm) |
| Number / m² with a thin joint | : ca. 93 (6 mm) |
| Size tolerance | : Tm (+/-8/6/4) |
| Size spread | : Rm (20/8/6) |
| Gross mass density | : 1900 kg/m³ (+/- 20 %) |
| Avg. standardised compressive strength (cat I) | : > 20 N/mm² |
| Water absorption (24 hours) | : < 16% |
| Initial water absorption (1 minute) | : 4 kg/(m² . min ) IW3 |
| Water vapour permeability | : μ = 5/10 |
| Thermal properties (λ10, dry, 90/90) | : 0.65 W/mK (table 1 EN1745) |
| Durability (frost / thaw / resistance) | : F2 |
| Active soluble salts | : class S2 |
| Fire reaction | : class A1 |
| Bond strength (according to EN998-2: 2003 Annex C) | : NPD (no performance determined) |

## TREATMENT GUIDELINES

During processing the bricks should be mixed from 5 different packs. The bricks are stacked tower by tower.The right mortar composition must be determined in consultation with the mortar supplier. Fresh brickwork should always be protected.

*Dimensions may vary depending on the production. For the most recent version see www.vandemoortel.co.uk. This document is not binding and annuls all previous publications. The manufacturer reserves the right to change the product range and characteristics. The user must always check that he has the most recent descriptive text.

In a sample of 100 bricks, at least 90 bricks will have one undamaged header face and one undamaged stretcher face. The number of defected bricks must not exceed 5%. The following are considered defects; the presence of hard spots which may swell and cause the brick surface to flake, cracks with a width > or = 0.2 mm that affect at least 2 edges. Any damage or defects must always be reported before use



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**Productshot**

