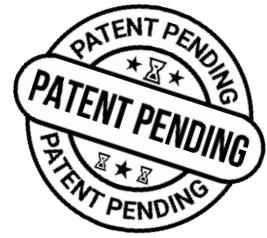


**LOWIE**  
BRICKS



## LOWIE DESIGN WHITE



### Producttype

Type: hand molded WF/DF

Usage: decorative non-supporting interior and exterior brickwork

### Primary materials, texture & techniques

Lowie Bricks are mineral-based bricks composed of an array of finely washed sands, binders and water.

The Vibro-Press production method with an additional finishing stage eliminates the use of hot gas ovens or heated curing chambers.

The compressed material consists of a semi-dry mixture that requires almost no water. By compacting the mixture as it vibrates, the air is forced out so that the minerals and binder are forced to work together and provide strong and optimal bonds. The bricks cure quickly and do not need additional heating because of the exothermic process.

A finishing coating is applied to the bricks to give them their authentic appearance. The hybrid character where the brick positions itself between ceramic and concrete provides a solid base that meets all technical requirements.

# Product Characteristics

Surface texture: grained  
facing side = each bricks grained  
short facing side: 1/3 of all bricks grained

Colour shade: white in the mass

Facing brick format: HF 240 x 80 x 40 mm

Dilatation advice:

The Lowie facing brick complies with shrinkage & swelling standard EN\_771-3\_2011 . This implies a dilatation joint between 6 and 8 metres depending on the specific conditions. Lowie bricks offers a dilatation calculation free of charge.

Lowie positions itself as a hybrid brick as it is neither a clay brick nor a concrete brick. Lowie's Hybrid CE certification and DoP (Declaration of Performance) are not applied to a single type of brick, but instead use both ceramic and concrete standards from EN 771: Specification for masonry bricks. More specifically:

EN 771-1: Part 1: Ceramic masonry bricks [1].

EN 771-3: Part 3: Masonry aggregates (Dense and lightweight aggregates) [2].

Essential Characteristics	Performance	Standard
Measurements	HF 240/80/40	EN_771-3_2011
flatness facing side	< 2,5 mm	EN_771-3_2011
flatness laying surface	< 0,5 mm	EN_771-3_2011
Planparallelism laying surface	< 1 mm	EN_771-3_2011
Mechanical strenght	> 10 N/mm <sup>2</sup>	EN_771-3_2011
Expansion/shrinkage	< 0,45 mm/m	EN_771-3_2011
Brut dry density	1690 KG/M <sup>3</sup>	EN_771-3_2011
Durability	F2	EN_771-1_2011
Total waterabsorption	<16%	EN_771-1_2011
Initial waterabsorption	< 4 kg/(m <sup>2</sup> min)	EN_771-1_2011

## Execution

- Due to the specific production process of LOWIE bricks, all bricks have only one visible side. This is the printed side. When fitting the brick, always check that the printed side is facing outwards!
- Due to the specific production process of LOWIE facing bricks, only one in three bricks has a short facing side that can be used for corners. This is the short side with print. When laying corner bricks, always check whether the short side is printed! The non coated side can be recognised with a horizontal line.
- The Lowie facing brick complies with shrinkage & swelling standard EN\_771-3\_2011 . This implies a dilatation joint between 6 and 8 metres depending on the specific conditions. Lowie bricks offers a dilatation calculation free of charge.
- Lowie bricks fitted under the water barrier are preferably treated with hydrophobic product. If the non-facing side is exposed to the outside air, we also recommend treating it with a hydrophobic product.
- When installing the Lowie Brick, we recommend using the Isolfix NT L cavity anchor. For safety reasons, we recommend using 6 cavity anchors/m<sup>2</sup> for traditional or adhesive brickwork.
- Match the choice of mortar to your facing brick. For white facing bricks, we always recommend working with a white masonry mortar. With traditional bricklaying (no strike-through mortar, glue or thin-bed mortar), the joints between the bricks should be scratched out before the mortar hardens so that clean bonding surfaces become available for the grout with a depth of exactly 10 mm. A maximum depth of 5 mm should be adhered to when smoothing out.
- Protect fresh masonry from drying out and from excessive rain, snow and frost and the action of water such as run-off from roofs, vaults, etc. as this may leave marks on the masonry.
- It is advisable to have additional bricks delivered as soon as possible so that they can be mixed with the first delivery. If multiple loads are delivered, we strongly recommend mixing the bricks across the different loads to avoid “staining” your facade brickwork.
- Before starting brickwork, all bricks should be on site to assess colour stability. Packages should be mixed row by row, from top to bottom, across orders. Lowie Bricks cannot be held responsible for irregular shades.

