

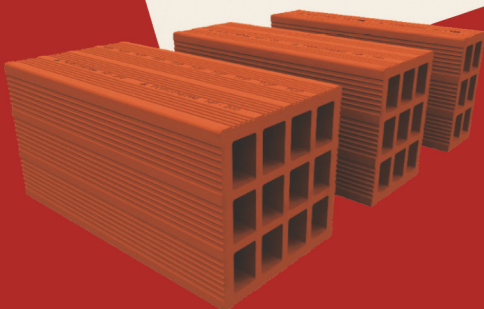


  
**Wienerberger**

Porotherm HP Taking the load off...

# Contemporary Classics

Light Weight | High strength | Eco-friendly | Long life





## Take the load off your mind...

Porotherm is a precision-engineered, clay brick walling system that is best for modern day constructions. Light weight clay brick with high compressive strength, Porotherm has low water absorption and superior thermal efficiency-which makes it your choice for fast and easy construction, enabling quick completion of projects.

### At a Glance

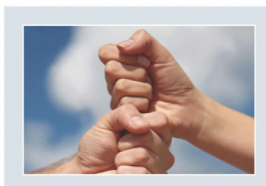
- Light weight – up to 60% less weight than conventional walling material.
- Excellent thermal insulation.
- High compressive strength.
- Natural and green product.
- Faster construction and ease of handling.

## Porotherm advantages

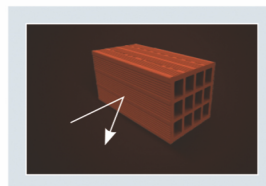
- Weighs 60% less than conventional walling material
- Compressive strength  $>3.5 \text{ N/mm}^2$
- Density of approx.  $700\text{-}800 \text{ kg/m}^3$
- Conveniently large, light weight bricks
- Excellent thermal & sound insulation
- Low water absorption of ~15%, thus minimal risk of dampness, cracks or shrinkage of walls
- Non-susceptible to Carbonation, thus providing greater durability
- Natural, green building material certified by IGBC and GRIHA



**Light Weight**  
enables faster construction



**High compressive strength**  
efficient and long-lasting



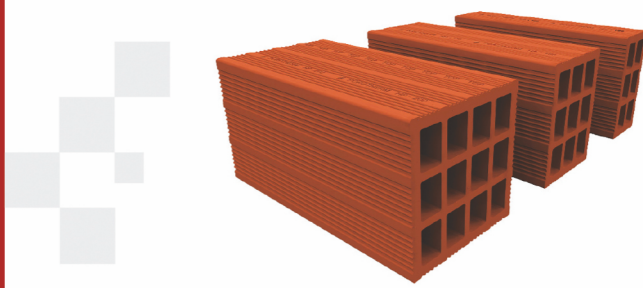
**Excellent thermal and sound insulation**  
ensures comfortable living



**100% natural, sustainable**  
and Green Building rated material

## Porotherm HP

Porotherm HP, horizontally perforated brick is ideal for construction of non-load bearing walls, usually partition walls or infill masonry.



**Porotherm HP Product Parameters**

Name	Length	Width	Height	Weight	Density	Compressive Strength	Water Absorption	Efflorescence*	U-Value	Sound Insulation	Fire Resistance
	MM	MM	MM	Kg.	Kg/m <sup>3</sup>	N/mm <sup>2</sup>	%		W/m <sup>2</sup> K	Rw (db)	min
Porotherm HP 200	400	200	200	11.1	694	≥3.5	~15	Slight	1.0	46	240
Porotherm HP 150	400	150	200	8.8	733				1.2	43	120
Porotherm HP 100	400	100	200	6.3	788				1.7	40	90
Porotherm HP 200H	200	200	200	5.8	Same as full bricks	Same as full bricks	Same as full bricks	Same as full bricks	Same as full bricks	Same as full bricks	Same as full bricks
Porotherm HP 150H	200	150	200	4.2							
Porotherm HP 100H	200	100	200	3.1							

**Porotherm HP - Tolerance**

Dimensions (mm)	400	200	150	100
Tolerance in (mm)	±8	±4	±3	±2

*Note: POROTHERM is manufactured using Natural Raw Materials, hence there could be variations in colour. Compressive testing is performed as per \*IS 3952 method - Ref: Annexure A of IS 3952. Sound Insulation is an estimated value as per Mass Law - NBC, without render considered.*

Four reasons why Porotherm is the modern method of construction:

### 1 Light weight & faster construction

- Porotherm HP bricks are 60% lighter than conventional walling material thus allowing substantial savings on structural cost due to reduction in dead load.
- This also allows for faster construction and ease of handling resulting in higher productivity.

### 2 Comfortable and healthy living

- Porotherm HP provides excellent thermal insulation that's 45% better compared to conventional walling material.
- This leads to direct savings in energy consumed through air conditioning and heating devices.

### 3 Natural and Green

- The clay used for production is sourced from de-silting of dead water tanks and only natural additives like coal ash, rice husk and saw dust are used.
- Listed by IGBC (Indian Green Building Council) in the 'Green Product category' under – energy efficient product, material with recycled content & used of regional material.

### 4 Unlimited life and maximum fire protection

- Porotherm HP has an exceptionally long life. It can withstand fire naturally as it is fired at 1000 degrees and has a fire rating of F240 for 240 minutes.



## Our Factory

The fully automated production facility at Kunigal, 70 kms from bangalore, is Austria based Wienerberger's first Asian manufacturing unit. The unit runs 365 days a year, producing 450 tonnes of bricks per day, facilitating quick supply of bulk orders.

Quality is ensured by the latest European production equipments, 24 hour factory production, control in-house laboratory for chemical and physical tests of raw materials and finished productions.

## Our Projects

Thousands of projects across Karnataka, Tamil Nadu, Andhra Pradesh and Kerala have used Porotherm walling solutions since 2009. With the pressing need for environmentally responsible constructions, the figures are ever increasing.



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