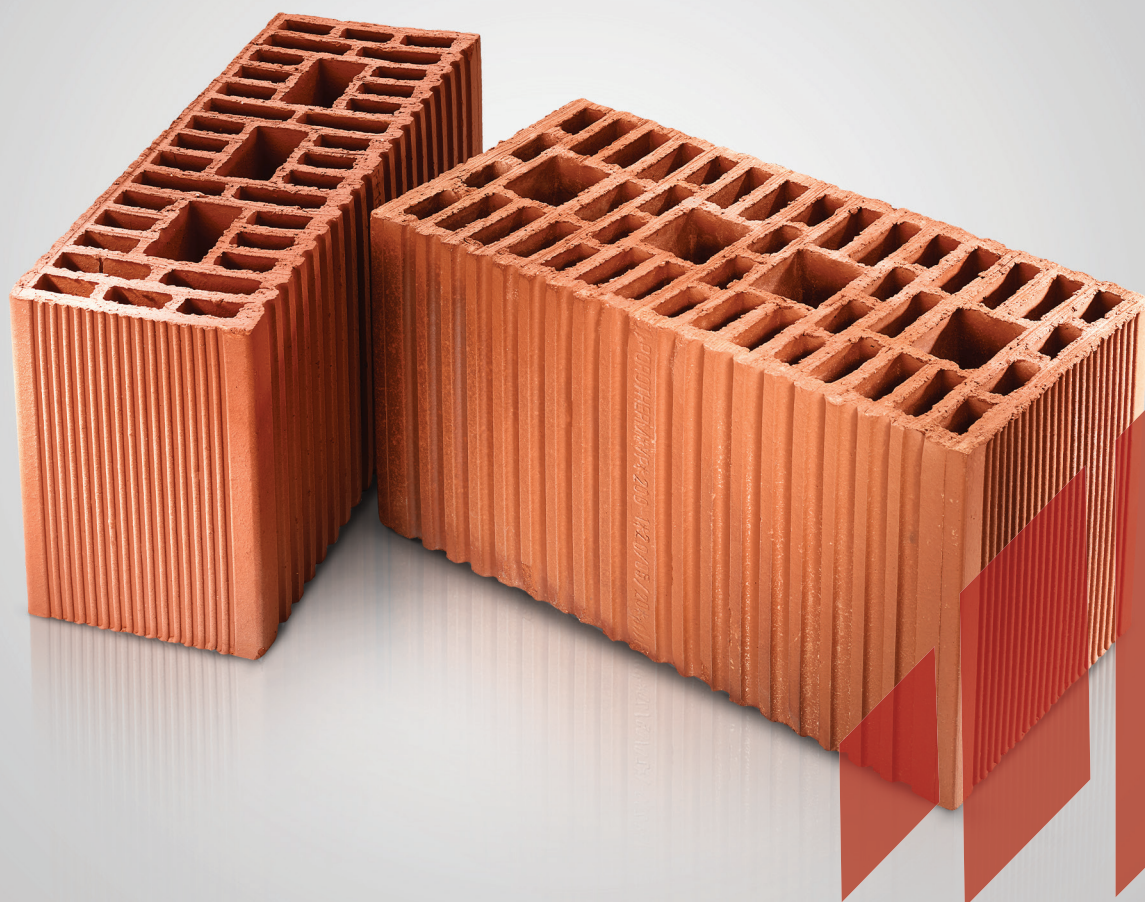


Porotherm Vertically Perforated (VP) Bricks

Precision Engineered Bricks for Load Bearing Walls

brought to you by Wienerberger



Porotherm by Wienerberger

Load-bearing wall solution

Porotherm Vertically Perforated Clay Hollow Bricks (Porotherm VP) for up to G+1* structures

A hallmark of design and ingenuity when it comes to cost effective, safe and green construction practices. This new age wall solution helps you save on your steel and concrete expenditure as it allows buildings to be constructed without RCC frame structures. Ideal for up to Ground+1 floors*.

Porotherm VP load bearing bricks is 100% natural with best in class thermal insulation for comfortable indoors all year round. High compressive strength bricks $\geq 7 \text{ N/mm}^2$ enabling load bearing construction.

Advantages



60% lighter material

Porotherm Smart Bricks are 60% lighter than conventional walling material thus allowing for faster construction and ease of handling



45% better thermal insulation

Homes built with Porotherm deliver 45% better thermal insulation compared to conventional walling material.

This leads to healthy and comfortable living environment



Lasts for generations & maximum fire protection

Porotherm clay bricks have an exceptional longevity. The bricks are fired at about 1000 deg and has a high fire rating of F240- 240 minutes

(for 200mm wide Porotherm wall as per IS 1642)



High compressive strength of upto $\geq 7 \text{ N/mm}^2$

Porotherm bricks are highly durable due to high compressive strength enabling load bearing construction



Accredited Natural and Green Building Material

Porotherm is manufactured in an energy efficient process using renewable energy. Clay used to manufacturing Porotherm is sourced from the desilting of the tanks in the vicinity. The bricks are made with only natural additives like coal ash, rice husk and granite slurry. Porotherm has been credited by agencies like GRIHA & IGBC for their green properties.



Lower water absorption

The lower water absorption properties of Porotherm ensures minimal risk of dampness, cracks and shrinkage



Ease of Use

High Compressive strength and the inherent design of Porotherm bricks makes it highly efficient for masonry application. It's easy to chase and chisel for electrical and plumbing conduits, allowing the user to install all types of fixtures and fittings.

Wienerberger India also provides on demand technical support at construction sites.

Porotherm VP Product Parameters

	Length	Width	Height	Weight	Density	Compressive Strength	Water Absorption	Efflorescence	Sound Insulation	U Value	Fire Resistance
	MM	MM	MM	Kg.	Kg/m ³	N/mm ²	%		Rw (db)	W/M ² K	Min
Porotherm VP 200	400	200	200	11.8	734	7.0	~20	Slight	45	1.2	240
Porotherm VP 150	400	150	200	8.8	738	7.0	~20	Slight	42	1.4	120

Porotherm VP - Tolerance

Dimensions (mm)	400	200	150	100
Tolerance in (mm)	±8	±4	±3	±2
Weight / Density	± 10% As Per EN 771 - 1 Class D1			