



Certificate No: EW182E



This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Porotherm 190mm Solid Wall Construction with EWI

Description of Product

This is an assessment of Wienerberger Porotherm 190mm engineered clay block with tongue and groove interlock for use as load bearing and non-loadbearing walls. It is suitable for use on single and multi-storeys. When used as an external wall the block requires an approved external wall insulation and render or cladding system.



Key Factors Assessed

- ☐ Safety in case of Fire
- ☐ Health, Hygiene and Environmental
- ☐ Safety in Use
- ☐ Protection against noise
- ☐ Energy Economy and heat retention
- ☐ Durability serviceability and identification

Validity

This certificate was first issued on 8th December 2017 and is valid until 8th December 2021

Issue Dated 7th January 2019

Scope of Registration

Porotherm blocks are highly perforated clay blocks intended for use in masonry which is above dpc and protected against water penetration. Protection may be provided to external masonry by suitable render or cladding or by its location as an inner leaf in cavity walling or as an internal partition.

The blocks are supplied in a thickness 190mm and are placed on a bed of Porotherm thin joint mortar. The bed surfaces of the blocks are ground flat and parallel such that the target thickness of the bed joint is 1mm. The cross-joints are formed by interlocking features in the header ends of the unit and contain no mortar.

Porotherm blocks all carry the CE mark.

The dimensions of each block are 190mm x 300mm x 224mm, the block has a dry thermal conductivity (λ) of 0.26 W/mK and a mean compressive strength of 10N/mm².

Conditions of Certificate

The Porotherm solid wall blocks are suitable for external wall construction providing it is protected from external weather and moisture by appropriate DPC's and an approved cladding or render system.

Appropriate thermal analysis will be provided in each instance to demonstrate continued compliance with Approved Document L.

Where the 190mm block is to be used as an external wall, assessment for compliance with Part A will be required where necessary.

LABC consider that, Porotherm 190mm Solid Wall Construction with EWI, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) England & Wales

Regulation 7	Materials and workmanship
Note:	The product is acceptable.
AD A	Structure
Note:	Relates to A1 only.
AD B	Fire Safety
Note:	Relates to B4.
AD C	Site Preparation and Resistance to Ground Moisture
Note:	The product can contribute to satisfying this requirement.
AD E	Resistance to the Passage of Sound
Note:	The product can contribute to satisfying this requirement.
AD L1A & L2A	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the wall.
ADL1B & L2B	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the wall.



The Building Regulations 2010 (as amended) England

AD L1A & L2A	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the wall.



The Building Regulations 2010 (as amended) Wales

AD L1A & L2A	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the wall.



The Building (Scotland) Regulations 2004 (as amended)

Pending assessment.

If you would like to discuss a specific use please make an enquiry to robertarenton@bobr.org.uk

Non-Regulatory Information



LABC Warranty

Pending assessment.

If you would like to discuss a specific use please make an enquiry to registereddetails@labcwarranty.co.uk

Supporting Documentation

Technical data for Baunit renders

Technical data for Ecorend renders

Porotherm brochure and installation guides

Porotherm best practice guide

Lucideon technical report, special publication 148 June 2015

Weinerberger technical drawings:

WBR-PTH190-MONO-D1

WBR-PTH190-MONO-D2

WBR-PTH190-MONO-D3

WBR-PTH190-MONO-D4

WBR-PTH190-MONO-D5

WBR-PTH190-MONO-D7

WBR-PTH190-MONO-D8

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