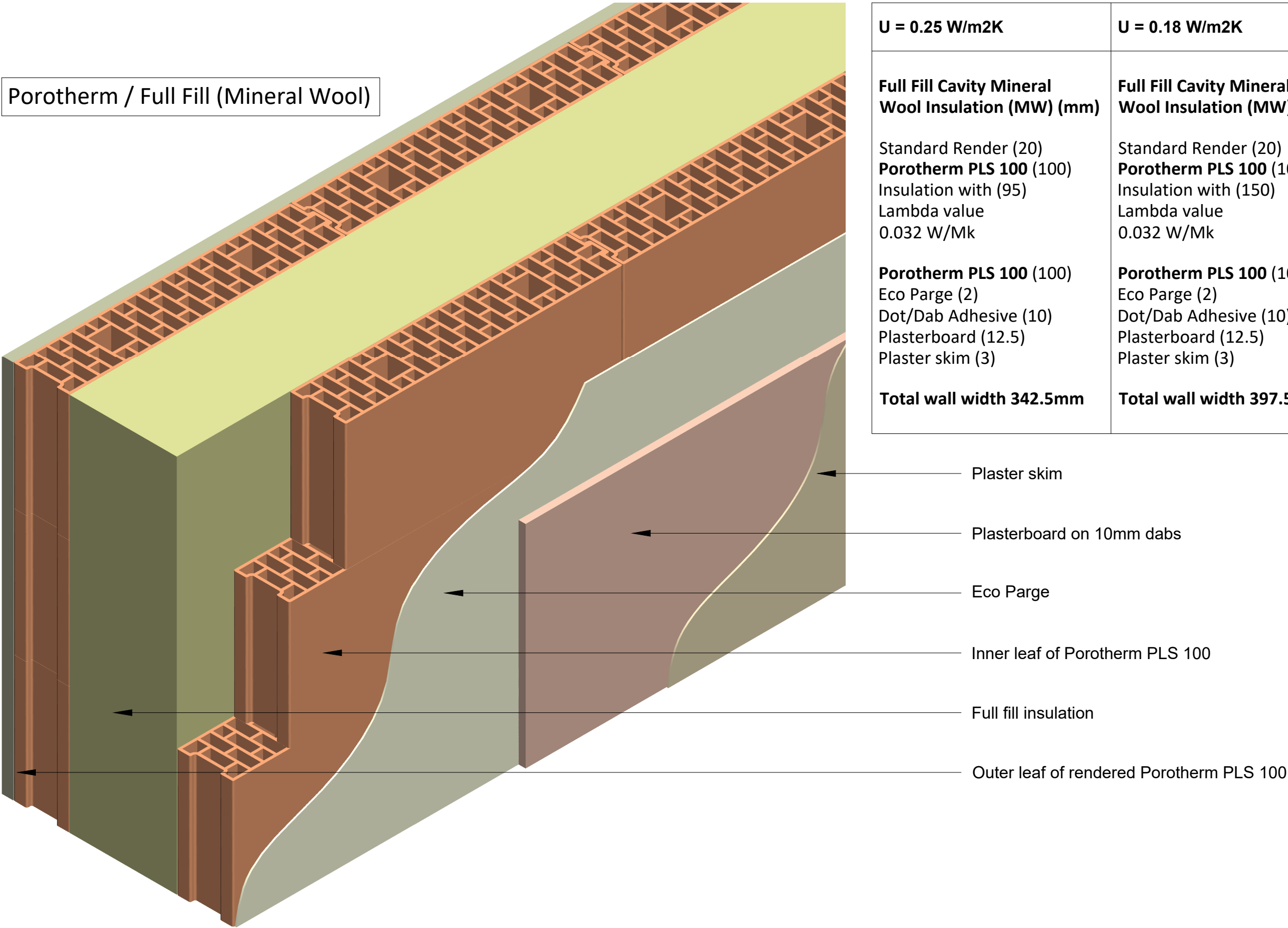


Thermal Performance

The ‘secret’ of the thermal insulation of POROTHERM clay blocks is the air trapped in the many small pores. When the added recycled materials e.g. sawdust, burn away (without residue), countless tiny holes are formed. These innumerable, interconnected pores and the carefully designed web and shell geometry intelligently reduce the flow of heat and thereby heat losses through exterior walls. Lambda values therefore vary according to the fired properties of the clay used in manufacture, density, recycled content and web geometry.



U = 0.25 W/m2K	U = 0.18 W/m2K	U = 0.15 W/m2K
Full Fill Cavity Mineral Wool Insulation (MW) (mm) Standard Render (20) Porotherm PLS 100 (100) Insulation with (95) Lambda value 0.032 W/Mk Porotherm PLS 100 (100) Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3) Total wall width 342.5mm	Full Fill Cavity Mineral Wool Insulation (MW) (mm) Standard Render (20) Porotherm PLS 100 (100) Insulation with (150) Lambda value 0.032 W/Mk Porotherm PLS 100 (100) Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3) Total wall width 397.5mm	Full Fill Cavity Mineral Wool Insulation (MW) (mm) Standard Render (20) Porotherm PLS 100 (100) Insulation with (190) Lambda value 0.032 W/Mk Porotherm PLS 100 (100) Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3) Total wall width 437.5mm

-	00/00/00	XXXXXXXXXXXXXXXX	XX	XX
rev:	date:	comment(s):	name:	check:



title:
Porotherm wall u-value solutions
100mm inner & outer leaf

drg No:
WBR-PLS-100-UV05

drawn:	check:	date:	scale:	rev:
JG	XX	14/01/21	1:5 @ A3	-



Wienerberger Ltd

Wienerberger House, Brooks Drive,
Cheadle Royal Business Park,
Cheadle, Cheshire, SK8 3SA

T: +44 (0) 161 491 8200
E: design.uk@wienerberger.com