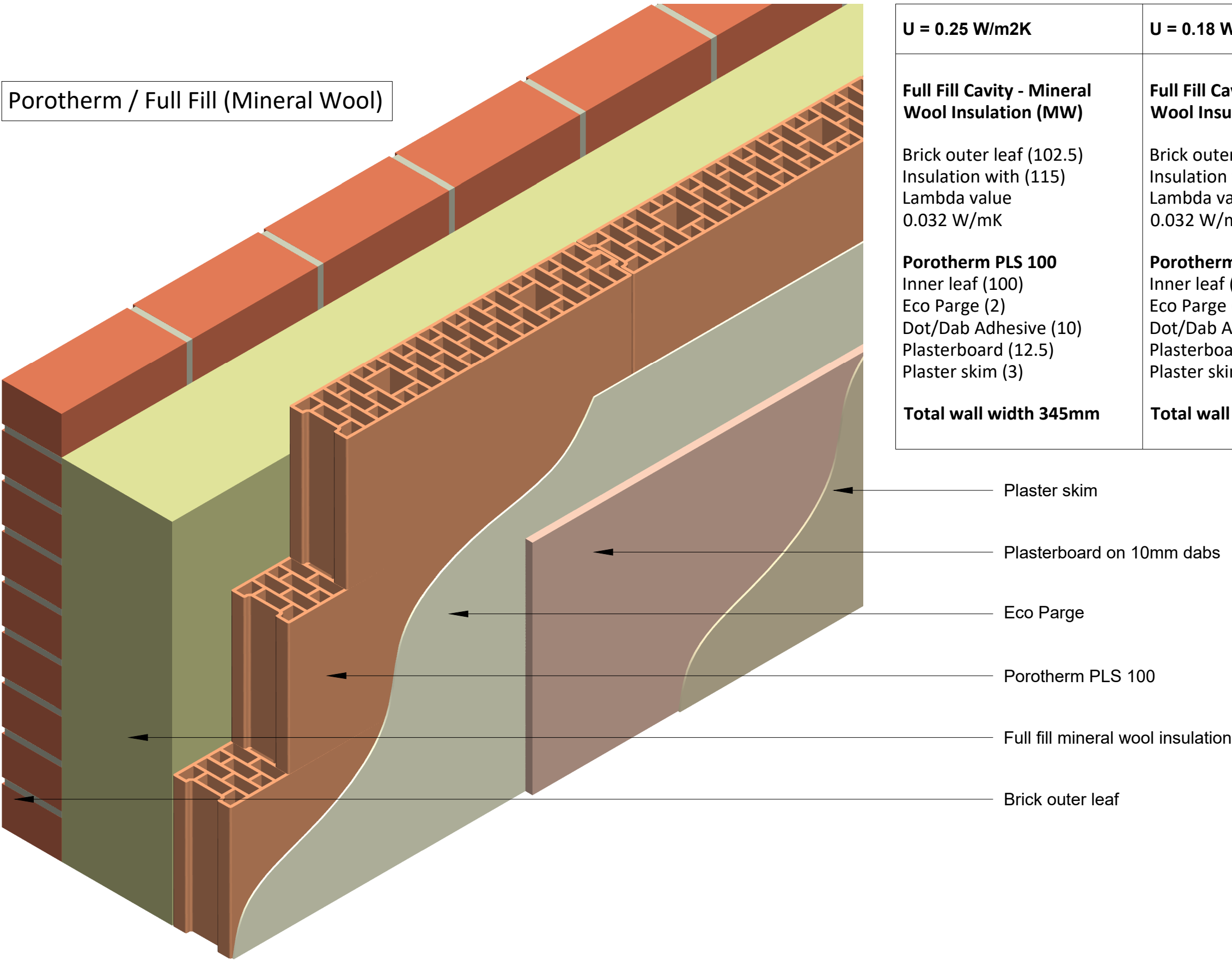


Thermal Performance

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) Brick outer leaf (102.5) Insulation with (115) Lambda value 0.032 W/mK Porotherm PLS 100 Inner leaf (100) Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3) Total wall width 345mm	Full Fill Cavity - Mineral Wool Insulation (MW) Brick outer leaf (102.5) Insulation with (150) Lambda value 0.032 W/mK Porotherm PLS 100 Inner leaf (100) Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3) Total wall width 380mm	Full Fill Cavity - Mineral Wool Insulation (MW) Brick outer leaf (102.5) Insulation with (190) Lambda value 0.032 W/mK Porotherm PLS 100 Inner leaf (100) Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3) Total wall width 420mm

-00/00/00XXXXXXXXXXXXXXXXXX

rev: date: comment(s): name: check:



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

drg No:

WBR-PLS-100-UV02

drawn: JG

check: XX

date: 14/01/21

scale: 1:5 @ A3

rev: -



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