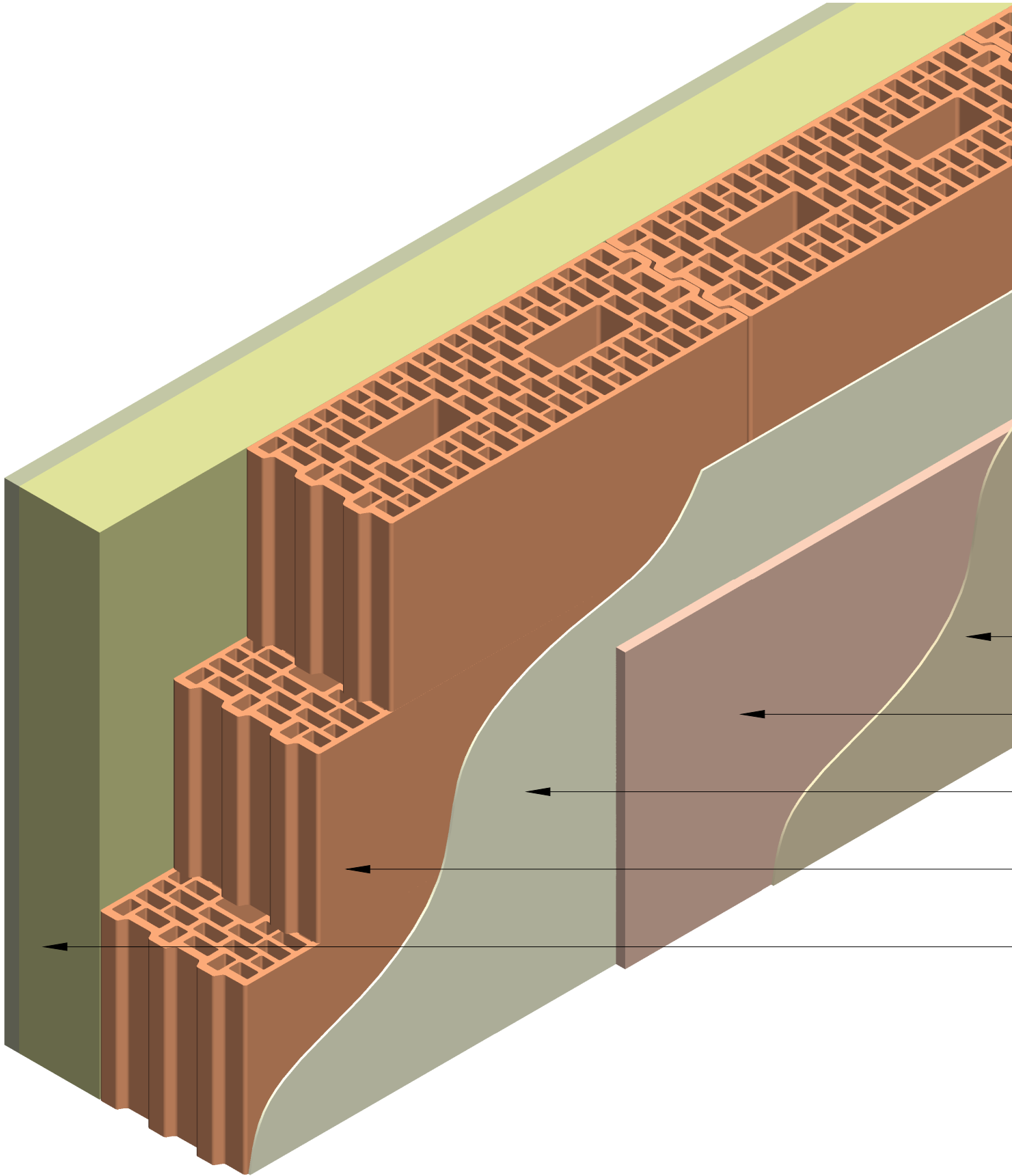


Thermal Performance

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 = 0.28 W/m2K	U = 0.18 W/m2K	U = 0.15 W/m2K
<b>Monolithic PLS 190 with EWI System (mm)</b>  External Render (20) Insulation with (50) Lambda value 0.020 W/mK  <b>Porotherm PLS 190 (190)</b> Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3)  <b>Total wall width 287.5mm</b>	<b>Monolithic PLS 190 with EWI System (mm)</b>  External Render (20) Insulation with (90) Lambda value 0.020 W/mK  <b>Porotherm PLS 190 (190)</b> Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3)  <b>Total wall width 327.5mm</b>	<b>Monolithic PLS 190 with Render (mm)</b>  External Render (20) Insulation with (110) Lambda value 0.020 W/Mk  <b>Porotherm PLS 190 (190)</b> Eco Parge (2) Dot/Dab Adhesive (10) Plasterboard (12.5) Plaster skim (3)  <b>Total wall width 357.5mm</b>

- Plaster skim
- Plasterboard on 10mm dabs
- Eco Parge
- Porotherm PLS 190
- EWI system

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



title:  
Porotherm u-value solutions  
190mm Monolithic

drg No:  
**WBR-PLS-190-UV01**

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



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