

Site checklist for use of H+H Calculated Ψ -values EW003

EW003: Brick + 50mm Cavity + 100mm foil faced insulation (0.018W/mK) + 100mm Celcon Solar

Completed form to be returned to project SAP Assessor



Site details:

External wall

Are the inner leaves built using 100mm Celcon Solar blocks?

Are the 150mm cavities insulated with 100mm (0.018W/mK) foil faced insulation?

Are the internal finishes plasterboard on dabs?

	Yes	No
Are the inner leaves built using 100mm Celcon Solar blocks?		
Are the 150mm cavities insulated with 100mm (0.018W/mK) foil faced insulation?		
Are the internal finishes plasterboard on dabs?		

Note: H+H Calculated Ψ -values EW003 are only applicable if 'Yes' is answered to all of the above

Ground Floor

Floor insulation thickness (0.022W/mK conductivity)

Ensure floor insulation is fitted tightly to blockwork with no gaps

Select one option

100mm	125mm	150mm	Other (state)

Floor construction

Cavity wall insulation continues at least 215mm below top of beam

Minimum 65mm screed with 20mm of edge insulation with conductivity of 0.025W/mK (or equivalent resistance of 0.8m²K/W)

Cavity wall insulation continues at least 215mm below underside of slab

Cavity wall insulation continues at least 215mm below underside of slab

Select one option

150mm Beam and Celcon block infill	
150mm Cast in-situ suspended concrete slab	
100mm Groundbearing concrete slab	
Other	

Yes No

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Have Celcon Foundation blocks have been used below ground?

Note: H+H Calculated Ψ -values EW003-GF00, 01 and 02 are only applicable if Celcon Foundation blocks have been used,

Openings

Do window/door frames overlap cavity by 30mm minimum?

Yes	No

Cavity closers used

Note: H+H Calculated Ψ -values EW003-SL00, RV00 and LN00 are only applicable for these named closers

Cavalok BigBlok BBS150HOR	Kingspan Thermabate 150	Other

Lintels used

Catnic Thermally Broken Lintel

Independent inner and outer lintels

Insulated open back lintel (max 3mm steel)

Insulated lintel (max 3mm steel) with continuous perforated base plate

Note: H+H Calculated Ψ -values EW003- LN00 are not applicable for Other lintel types

Other

Select one option

Party walls (leave blank if not applicable)

2 x 100mm Celcon Standard
2 x 100mm Celcon High/Super Strength
2 x 100mm Aggregate Concrete

Select one option

75mm Fully filled cavity
100mm Fully filled cavity
150mm Fully filled cavity

Select one option

Roof

Insulation to horizontal ceilings

Cavity wall insulation continues at least 200mm above top of roof insulation

400mm insulation quilt

Yes	No

Insulation to sloping ceilings

150mm insulation (0.044W/mK) between + 50mm (0.022W/mK) beneath rafters

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Intermediate floors

Timber joists (leave blank if not applicable)

Select one option

195mm	240mm	300mm	Other (state)

Concrete planks (leave blank if not applicable)

150mm	225mm	Other (state)

Checklist completed by

(print name)

(job title)

(company name)

(date)