

Site checklist for use of H+H Calculated Ψ -values EW043

EW043: Brick + 100mm Cavity fully filled with insulation (0.037W/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 100mm cavities insulated with 100mm (0.037W/mK) full fill insulation?
- Are the internal finishes plasterboard on dabs?

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Note: H+H Calculated Ψ -values EW043 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)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	<input type="checkbox"/>
150mm Cast in-situ suspended concrete slab	<input type="checkbox"/>
100mm Groundbearing concrete slab	<input type="checkbox"/>
Other	<input type="checkbox"/>

Have Celcon Foundation blocks have been used below ground?

Note: H+H Calculated Ψ -values EW043-GF00, 01 and 02 are only applicable if Celcon Foundation blocks have been used,

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>

Openings

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

		Yes	No
Eurocell Cavalok (fully insulated)	Kingspan Thermabate	<input type="checkbox"/>	<input type="checkbox"/>
	Other	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Cavity closers used

Note: H+H Calculated Ψ -values EW043-SL00, RV00 and LN00 are only applicable for these named closers

(Not I100HORCBX)

Lintels used (Select one option)

- Catnic Thermally Broken Lintel
- Keystone / IG Hi-therm+ Lintel

Independent inner and outer lintels	<input type="checkbox"/>
Insulated open back lintel (max 3mm steel)	<input type="checkbox"/>
Insulated lintel (max 3mm steel) with continuous perforated base plate	<input type="checkbox"/>
Other	<input type="checkbox"/>

Note: H+H Calculated Ψ -values EW043- LN00 are not applicable for Other lintel types

Party walls (leave blank if not applicable)

	Select one option
2 x 100mm Celcon Standard	<input type="checkbox"/>
2 x 100mm Celcon High/Super Strength	<input type="checkbox"/>
2 x 100mm Aggregate Concrete	<input type="checkbox"/>

	Select one option
75mm Fully filled cavity	<input type="checkbox"/>
100mm Fully filled cavity	<input type="checkbox"/>
150mm Fully filled cavity	<input type="checkbox"/>

Roof

Insulation quilt to horizontal ceilings

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

Select one option		
400mm	500mm	Other (state)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
150mm between (0.044W/mK)	100mm between (0.022W/mK)	150mm between (0.022W/mK)

Insulation to sloping ceilings (leave blank if not applicable) minimum 50mm (0.022W/mK) beneath rafters +

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Intermediate floors

Timber joists (leave blank if not applicable)

Select one option			
195mm	240mm	300mm	Other (state)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Concrete planks (leave blank if not applicable)

150mm	225mm	Other (state)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Checklist completed by

(print name)

(job title)

(company name)

(date)

HH / EW043 / Checklist (A)

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