

# Site checklist for use of H+H Calculated $\Psi$ -values EW113

EW113: Brick + 50mm Cavity + 100mm foil faced insulation (0.022W/mK) + 100mm Celcon Standard

Completed form to be returned to project SAP Assessor



## Site details:

### External wall

- Are the inner leaves built using 100mm Celcon Standard blocks?  
Are the 150mm cavities insulated with 100mm (0.022W/mK) foil faced 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  $\Psi$ -values EW113 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 0.8m<sup>2</sup>K/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  $\Psi$ -values EW113-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
<input type="checkbox"/>	<input type="checkbox"/>
Eurocell Cavalok (fully insulated)	Kingspan Thermabate Other
<input type="checkbox"/>	<input type="checkbox"/>

#### Cavity closers used

Note: H+H Calculated  $\Psi$ -values EW113-SL00, RV00 and LN00 are only applicable for these named closers

#### Lintels used (Select one option)

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

Independent inner and outer lintels   
Insulated open back lintel (max 3mm steel)   
Insulated lintel (max 3mm steel) with continuous perforated base plate   
Other

Note: H+H Calculated  $\Psi$ -values EW113- 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)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

### 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 / EW113 / Checklist (A)

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