

# Site checklist for use of H+H Calculated $\Psi$ -values EW021

EW021: Brick + 50mm Cavity + 50mm foil faced insulation (0.030W/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 50mm (0.030W/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 EW021 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

150mm Cast in-situ suspended concrete slab

100mm Groundbearing concrete slab

Other

#### Have Celcon Foundation blocks have been used below ground?

Note: H+H Calculated  $\Psi$ -values EW021-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"/>				
<table border="1"> <tr> <td>Eurocell</td> <td rowspan="2">Kingspan Thermabate</td> <td rowspan="2">Other</td> </tr> <tr> <td>Cavalok (fully insulated)</td> </tr> </table>	Eurocell	Kingspan Thermabate	Other	Cavalok (fully insulated)	<input type="checkbox"/>
Eurocell	Kingspan Thermabate			Other	
Cavalok (fully insulated)					
<input type="checkbox"/>	<input type="checkbox"/>				

#### Cavity closers used

Note: H+H Calculated  $\Psi$ -values EW021-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

Select one option

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 EW021- 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"/>
--------------------------	--------------------------	--------------------------

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

### Checklist completed by

(print name)

(job title)

(company name)

(date)

HH / EW021 / Checklist (A)

H+H UK Limited, Technical Services Department, Celcon House, Ightham, Sevenoaks, Kent TN15 9HZ

Tel: 01732 880580 e-mail: tsd@hhcelcon.co.uk