

# Site checklist for use of H+H Calculated $\Psi$ -values EW221

EW221: Brick + 50mm Cavity + 50mm foil faced insulation (0.030W/mK) + 100mm Celcon High or Super Strength

Completed form to be returned to project SAP Assessor



## Site details:

### External wall

- Are the inner leaves built using 100mm Celcon Higher Strength 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 EW221 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 EW221-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)	<input type="checkbox"/>	<input type="checkbox"/>
Kingspan Thermabate	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

#### Cavity closers used

Note: H+H Calculated  $\Psi$ -values EW221-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
- Insulated open back lintel (max 3mm steel)
- Insulated lintel (max 3mm steel) with continuous perforated base plate
- Other

Note: H+H Calculated  $\Psi$ -values EW221- LN00 are not applicable for Other lintel types

### Party walls (leave blank if not applicable)

- Select one option
- 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

### 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 / EW221 / Checklist (A)

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