

# Site checklist for use of H+H Calculated $\Psi$ -values EW055

EW055: Brick + 150mm Cavity fully filled with insulation (0.045W/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 150mm (0.045W/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  $\Psi$ -values EW055 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 EW055-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 EW055-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

Select one option

|  |                          |
|--|--------------------------|
| 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  $\Psi$ -values EW055- 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"/> |

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

|                           |                          |
|---------------------------|--------------------------|
| 150mm between (0.044W/mK) | <input type="checkbox"/> |
| 100mm between (0.022W/mK) | <input type="checkbox"/> |
| 150mm between (0.022W/mK) | <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 / EW055 / Checklist (A)

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