

Site checklist for use of H+H Calculated Ψ -values EW213

EW213: Brick + 50mm Cavity + 100mm foil faced insulation (0.022W/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 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 Ψ -values EW213 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

150mm Cast in-situ suspended concrete slab

100mm Groundbearing concrete slab

Other

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

Have Celcon Foundation blocks have been used below ground?

Note: H+H Calculated Ψ -values EW213-GF00, 01 and 02 are only applicable if Celcon Foundation blocks have been used,

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 Ψ -values EW213-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 Ψ -values EW213- 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 +

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 / EW213 / Checklist (A)

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