### **Construction Detail**



# Calculated $\Psi$ (Psi) value for use in SAP Calculation



f-values: 0.900 - 0.952 (values above 0.75 indicate low risk of condensation and mould)

## $\Psi$ (Psi) value Thermal Compliance Notes

| 1                  | Minimum 20mm perimeter insulation with $\lambda$ <0.022W/mK.  |  |  |  |  |  |
|--------------------|---|--|--|--|--|--|
| 2                  | Ensure the floor insulation is tightly butted against the ext   |  |  |  |  |  |
| 3                  | Continue full fill rigid cavity insulation at least 225mm belo<br>thermal resistance equal to or better than main wall insula |  |  |  |  |  |
| 4                  | 100mm Ground bearing slab.  |  |  |  |  |  |
| 5                  | 150mm insulation (0.022 W/mK) above slab.   |  |  |  |  |  |
| 6                  | Ensure insulation is cut and fitted around the angle of the inner leaf of the cavity wall.                                    |  |  |  |  |  |
| Construction Notes |   |  |  |  |  |  |
| 7                  | Wall tie: No greater than 450mm vertical spacing.<br>Only use insulation retaining clips that are compatible wit              |  |  |  |  |  |
|                    |   |  |  |  |  |  |
|                    |   |  |  |  |  |  |

#### **General Notes**

Rigid insulation below DPC to provide structural stability and stop water ingress.

| recognised<br>construction | Masonry Partial Fill | 150mm Cavity | 100mm Insulation | MPF-150-E5-12 | Ground beari |
|----------------------------|----------------------|--------------|------------------|---------------|--------------|
|                            |                      |              |                  | Date:         | Sign off:    |

ternal wall.

low top of slab. Insulation below DPC to provide lation.

cavity tray. Insulation to be secured firmly against the

th the wall tie.

ng slab, insulation above