### Insulation Products and Systems: Exposed Floors

| Manufacturer Name | EVPD Reference | Insulation Product / System Type | Description of Wall / Floor / Roof make-up including insulation product and ancillaries | Manufacturer Construction Reference | Overall U-value including ancillaries (W/m²K) | Multiple Villa Development RE-R1 | Multiple Villa Development RE-2 | Warranty Period | Lead Times | Contractor Compliance Status | Installation Services | Approved Applicants | Series Details: 
| | | | | | | Floor U=0.15 W/m²K | Floor U=0.14 W/m²K | | | | | | | |
| Kingspan (SIG LLC) | KNG-RIB-RER1-008 | Rigid Board | 1. Concrete roof slab 150mm (density 2000 Kg/m³, thermal conductivity 1.4 W/mK) (by others) 2. Kingspan Kooltherm K10 Soffit Phenolic Board Foil Backed Insulation 130mm (density 35 Kg/m³, thermal conductivity = 0.020 W/mK) The above construction build up is for a semi exposed soffit application (eg unconditioned garage). Where the soffit is exposed to outside conditions or where an impact resistant finish or aesthetic finish is required (eg undercroft) the use of a suitable 6mm cement fibre weather board finish is required to protect the insulation. This layer can be fixed direct through the insulation into the concrete slab or a series of timber battens or metal furrings are fixed over the insulation boards into the concrete slab behind creating a 25mm cavity fixing platform to which the 6mm cement fibre weatherboard is fixed. Kingspan K10 Soffit Board Foil backing insulation acts as a vapour barrier. | Kingspan Excellence EU Soffit Board Insulation for structural ceilings(soffits) 0.25 | Yes | Yes | 10 years | 3-5 weeks | 5-10 years | No/Yes | Kingspan Insulation Ltd is able to provide support on the installation or consultation only. All full schemes of installation on a Kingspan product will be required to be undertaken by a Kingspan approved applicator. Kingspan has the right to inspect installations and make site visits to view installation.

Kooltherm K10 FM Soffit Board (130mm).pdf |

http://www.kingspaninsulation.co.uk/Products/Kooltherm/Kooltherm-K10-Soffit-Board/Overview.aspx |

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