

**Typical Lambda 90/90 ranges (W/m.K) for commonly used insulants\***

|                            |                |             |   |  |
|----------------------------|----------------|-------------|---|--|
| Glass Mineral Wool (GW)    | 0.031 to 0.044 | BS EN 13162 | Knauf<br>URSA   | <a href="http://www.knaufinsulation.co.uk">www.knaufinsulation.co.uk</a><br><a href="http://www.ursa-uk.co.uk">www.ursa-uk.co.uk</a>   |
| Rock Mineral Wool (MW)     | 0.034 to 0.042 | BS EN 13162 | Rockwool<br>Knauf   | <a href="http://www.rockwool.co.uk">www.rockwool.co.uk</a><br><a href="http://www.knaufinsulation.co.uk">www.knaufinsulation.co.uk</a>   |
| Expanded Polystyrene (EPS) | 0.030 to 0.038 | BS EN 13163 | URSA<br>S&B EPS<br>Styrene<br>Vencel Resil<br>Springvale EPS<br>Kay-Metzeler<br>Sundolitt | <a href="http://www.ursa-uk.co.uk">www.ursa-uk.co.uk</a><br><a href="http://www.sandbeps.com">www.sandbeps.com</a><br><a href="http://www.styrene.biz">www.styrene.biz</a><br><a href="http://www.vencel.co.uk">www.vencel.co.uk</a><br><a href="http://www.springvale.com">www.springvale.com</a><br><a href="http://www.kay-metzeler.com">www.kay-metzeler.com</a><br><a href="http://www.sundolitt.co.uk">www.sundolitt.co.uk</a> |
| Extruded Polystyrene (XPS) | 0.029 to 0.039 | BS EN 13164 | Dow<br>Knauf<br>URSA<br>Kingspan Insulation   | <a href="http://www.styrofoameurope.com">www.styrofoameurope.com</a><br><a href="http://www.knaufinsulation.co.uk">www.knaufinsulation.co.uk</a><br><a href="http://www.ursa-uk.co.uk">www.ursa-uk.co.uk</a><br><a href="http://www.insulation.kingspan.com">www.insulation.kingspan.com</a>   |

|                                   |                |             |  |  |
|-----------------------------------|----------------|-------------|--|--|
| Polyurethane (PUR)                | 0.022 to 0.028 | BS EN 13165 | Kingspan Insulation<br>Recticel            | <a href="http://www.insulation.kingspan.com">www.insulation.kingspan.com</a><br><a href="http://www.recticelinsulation.co.uk">www.recticelinsulation.co.uk</a>   |
| Polyisocyanurate (PIR)            | 0.022 to 0.028 | BS EN 13165 | Celotex<br>Kingspan Insulation<br>Recticel | <a href="http://www.celotex.co.uk">www.celotex.co.uk</a><br><a href="http://www.insulation.kingspan.com">www.insulation.kingspan.com</a><br><a href="http://www.recticelinsulation.co.uk">www.recticelinsulation.co.uk</a> |
| Phenolic (PF)                     | 0.021 to 0.024 | BS EN 13166 | Kingspan Insulation<br>Recticel            | <a href="http://www.insulation.kingspan.com">www.insulation.kingspan.com</a><br><a href="http://www.recticelinsulation.co.uk">www.recticelinsulation.co.uk</a>   |
| Cellular glass (CG)               | 0.038 to 0.050 | BS EN 13167 | Pittsburgh-Corning                         | <a href="http://www.foamglas.co.uk">www.foamglas.co.uk</a>   |
| Aluminium Foil-faced Polyethylene |                |             | Thermal Economics                          | <a href="http://www.thermal-economics.co.uk">www.thermal-economics.co.uk</a>   |
| Expanded Cork                     |                | BS EN 13170 |  |  |
| Expanded Perlite                  |                | BS EN 13168 |  |  |
| Wood Wool                         |                | BS EN 13169 |  |  |
| Wood Fibre (WF)                   |                | BS EN 13171 |  |  |

- Users/specifiers should consult individual manufacturers with regard to specific product lambda values

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