

Floor coverings and Under-floor heating

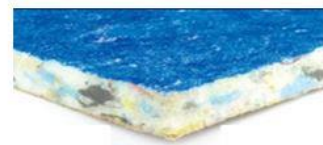
When under floor heating is installed the floor coverings used will have a varying effect on the heat performance.

Carpets are typically the highest resistive insulator holding heat in the floor and slowing transfer, but this is not typically the carpet which is in fact usually a low resistor, it is the Underlay. Care should be taken to avoid high insulating underlays In the European market carpet and underlay have a thermal rating, (TOG) Value. The recommendation is use a combination of carpet and underlay with a combined TOG Value under 2.5, Solid chip and extra thick foam underlays are not advisable.

where particularly heavy carpets are to be applied, consideration should be given to tightening pipe spacing in the system design.

The following will help as a basic guide.

Polished concrete.	A+ Excellent heat transfer
Ceramic or other Tiles.	A+ Excellent heat Transfer
Vinyl Glued to floor.	A Very good heat transfer
Overlay vinyl (lay flat no adhesive).	A Very good heat Transfer
Carpets/ Underlay with Max 2.4 TOG	B Good Heat Transfer
Over 2.6 TOG	C Restricted heat transfer
Laminate flooring (MDF type)	B Good heat transfer
Laminate flooring (Real wood)	B- Reasonable heat transfer
New Timber (12.5mm and over)	C Restricted heat transfer
Reclaimed timber (12.5mm and over)	C Restricted heat transfer



Avoid solid chip type foam underlays



Pocket type underlay is better for under-floor heating systems



In all cases where wood flooring is being used it is important to check with your timber supplier that the product is suitable for UFH and observe any specific instructions for introducing heat.

If you have any questions regarding our under floor systems in regard to a quote and a specific floor covering, please let us know we are happy to advise you further.