

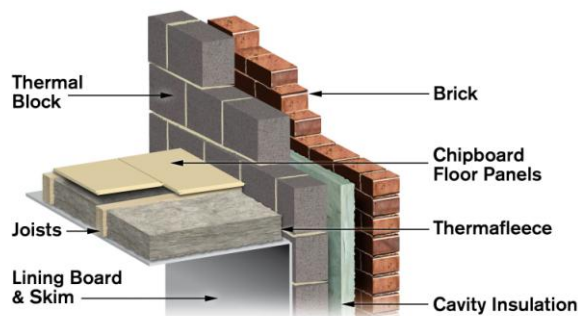
# Floor Applications...

Flooring insulation now plays a major role in delivering total energy performance in buildings. Thermafleece is extremely versatile and can be used in many floor applications as an alternative to conventional insulation.

## Between Floors

Thermafleece can be easily installed between joists to provide additional thermal insulation and acoustic absorption within the structure.

Thermafleece is available in thicknesses to enable insulation to fill or partially fill the void.



Fit the insulation layers between the joists ensuring all joints are close-butted to avoid air gaps. Overlap additional layers to reduce thermal bridging and air gaps.

The friction of the insulation should hold it in place. However, if insulation is installed from below, you can hold it in place using string or netting until the ceiling layers are secured.

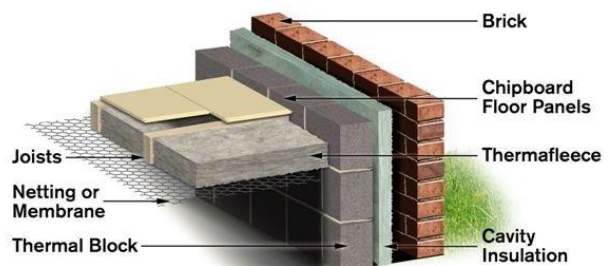
As with other insulation products, it may be necessary in some cases to de-rate electrical cables buried in insulation. BS 7671: 2008 suggests that where wiring is completely surrounded by insulation, it may need to be de-rated to as low as half its free air current carrying capacity. Guidance should be sought from a qualified electrician.

## Suspended Ground Floors

Thermafleece is an ideal choice for helping minimise heat loss through suspended floors.

Fit the insulation layers between the joists ensuring all joints are close-butted to avoid air gaps. Overlap additional layers to reduce thermal bridging and air gaps.

Support insulation with netting or plywood to the underside of the joist. An airtight breather membrane can be fitted to the underside of the joist to minimise air movement through the floor.



If the flooring comprises open floorboards, you could install a breather membrane on the top side of the Thermafleece to avoid a build-up of dust and debris on top of the insulation.

Maintain a ventilated space at least 150mm below the level of the insulation. Ensure that all air vents under the floor are unobstructed and take care not to block ventilation air path.