

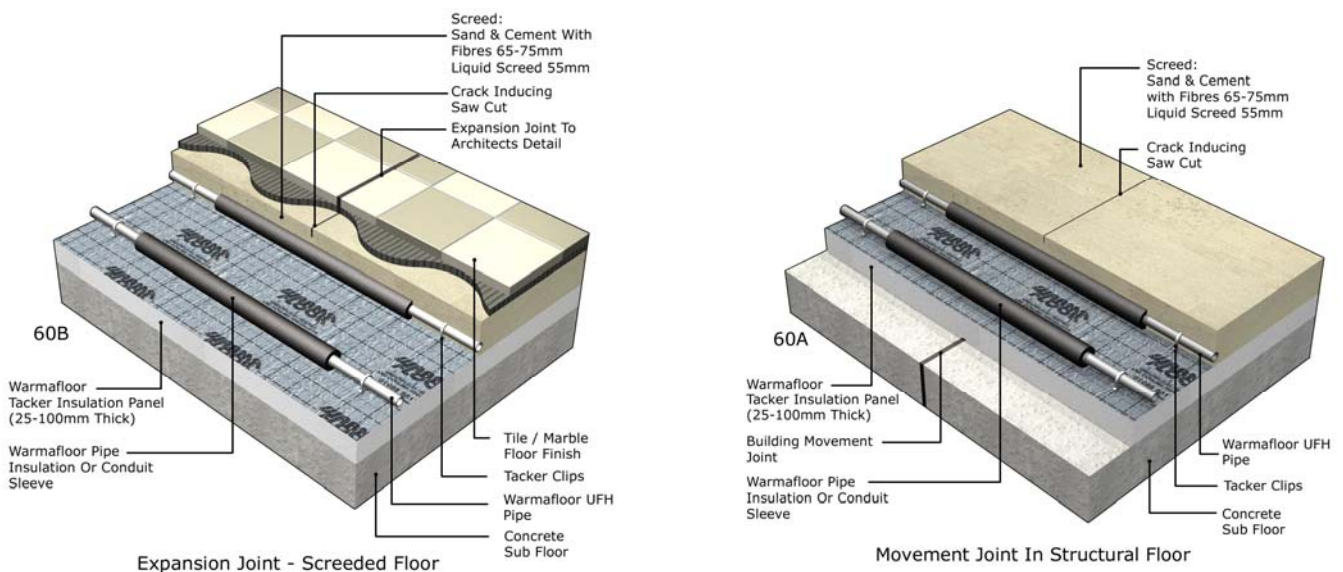


SUPERIOR UNDERFLOOR HEATING & COOLING SYSTEMS
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FLOOR EXPANSION/MOVEMENT JOINTS

Heated screeded or concrete floors will expand and contract slightly during use, the edge insulation is normally sufficient to take up this movement. However in certain situations and especially with floor finishes such as tile, marble or stone screed expansion joints will be required. Whilst the Warmafloor pipe characteristics enable it to be stretched by 50% without damage, pipes passing through joints should be sleeved for safety.

Screeded floors. Very large rooms or areas may need to be sub-divided by expansion joints or crack inducers, which can then be sealed after screeding with flexible filler. Where these joints occur, the pipework circuits crossing them should be kept to a minimum and where pipes do cross the joints they should be sleeved as detailed. In addition to this screed expansion joints will be required in larger floors finished with tile marble or stone to suit the floor layers requirements



Structural floors

occasionally the underfloor heating pipe work may have to run across movement joints in a structural floor slab. Where this occurs provision has to be made for movement in the screed and floor finish above. Whilst crossing movement joints with piping is avoided if possible, where they do cross over, a pipe sleeve of a minimum of 300 mm long must be fitted to allow sufficient movement. (For specific advice on movement requirements always refer to screeding contractor or architect.)