



# Screed Replacement Tile

## INTRODUCTION

For most people underfloor heating generally means having lots of pipe laid out in convoluted loops which is then covered in concrete. This is of course true of a conventional screed underfloor heating system but underfloor heating has come along way since the days of concrete. The new, more favoured methods are 'dry installed' systems. Dry installed means no concrete or screed is used in the process. Eliminating the use of screed has required a complete re-think in materials that are used. Replacing convoluted pipe loops with orderly JUPITER polystyrene heating panels is one thing but providing a suitable surface that is as strong as screed is another. JUPITER has developed the Screed Replacement Tile System (S.R.T.) as a direct replacement to screed on underfloor heating. The unique 20mm clay tongue and groove tiles are glued together and after 24 hours provide an unbelievably strong, ready to use floor. Unlike screed there is no water involved, no drying out time, no heating up protocol and most importantly warm up times within the hour. Unlike any other system, the underfloor heating itself can be turned on after 24 hour of laying the tiles.

## HEAT OUTPUT

Underfloor heating is all about getting as much heat out of the system per square metre as possible. At JUPITER we concentrate on understanding materials and what effect they have on heat output. Using the S.R.T. system either as a substrate gives you an immediate

advantage. On average the S.R.T. system outputs between 75 and 100 W/m<sup>2</sup>. Having very little thermal resistance means that using the S.R.T. system instead of chipboard or ply as a load bearing surface for carpet or tiles has obvious benefits.

## FLOOR DESIGN LOAD

The unique interlocking tongue and groove system connecting the tiles of creates one solid slab which has an approved design load of 5 kN/m<sup>2</sup>. This makes the tile system very suitable for installations within public buildings. Our natural red tile is 400 x 180 x 20mm and is used primarily as a sub floor to carpet, lino or a further tiled finish. This tile, which is unglazed, can also be used as a finished floor if desired and can be protected using a quarry tile sealant.

