

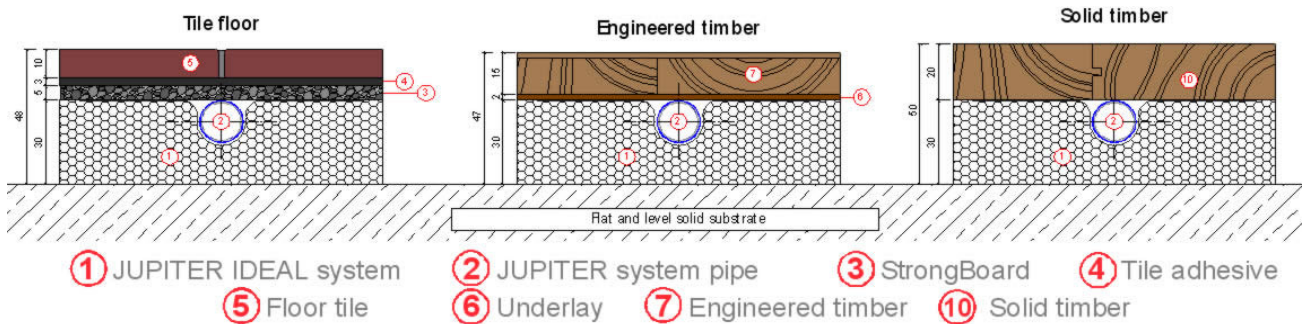


StrongBoard FL and AQUA™

for stone and tiled floors

manufactured by Jupiter Heizsysteme GmbH

StrongBoard FL and **AQUA** are innovative, ultra thin load bearing surface that have two unique features. At only 5mm thick and when used with the JUPITER IDEAL system it forms the lowest UFH system on the market. Made of recycled polyester and aluminium it can produce over 100 W/m² from a water temperature of only 35° The introduction of StrongBoard means that it is now possible to install either engineered or solid timber directly on the JUPITER IDEAL system and have a tiled or stone floor directly adjoining with little or no height discrepancies. StrongBoard Aqua is also available with water proof membrane covering for use in bathrooms.



Heat output and efficiency

Installing underfloor heating successfully is largely down to the floor finishes that are installed. StrongBoard is super conductive and therefore provides an immediate advantage when installing tiles or natural stone products on top. With an average flow temperature of 35° StrongBoard produces a m² output of 108.5 W. Finishes with zero thermal resistance such as natural stone or floor tiles will therefore provide optimum heat output when used in conjunction with StrongBoard

Mean water temp.	Room temp.	Edge Zone	Surface Temp.	Central Zone	Surface Temp.
		12.5 cm StrongBoard FL		25 cm StrongBoard FL	
θ_m	θ_r	5 mm	θ_f	5 mm	θ_f
°C	°C	W/m ²	°C	W/m ²	°C
30	15	108.5	24.7	89.8	23.2
30	18	86.3	25.9	71.4	24.6
30	20	71.5	26.6	59.1	25.6
30	22	56.4	27.4	46.7	26.5
30	24	41.1	28.0	34.0	27.4
35	15	145.2	27.6	120.2	25.6
35	18	123.2	28.9	101.9	27.2
35	20	108.5	29.7	89.8	28.2
35	22	93.7	30.5	77.5	29.1
35	24	78.9	31.3	65.3	30.1
40	15	181.9	30.5	150.5	28.0
40	18	159.9	31.8	132.3	29.6
40	20	145.2	32.6	120.2	30.6

