



Fermacell Gypsum Boards

INTRODUCTION

On the continent Fermacell gypsum boards are the most popular form of substrate used in conjunction with panel based underfloor heating systems. They allow considerably more heat output than basic chipboard and provide a far more stable material for tiling or carpeting over. JUPITER has an advantage over other systems that by manufacturing the heating elements from very high density polystyrene it is possible to use the 20mm 2E11 Fermacell boards. This equates to a lower construction height, less weight, faster installation and significantly less cost.

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 Fermacell flooring elements outputs approximately 75W/m². Having low 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

Fermacell boards have overlapping joints which when glued and screwed together provide a secure and permanent joint. Whether used with just the JUPITER IDEAL, IDEAL ECO system or inconjunction with Kingspan Kooltherm K3, Fermacell meets the minimum design load requirement for residential floor constructions.

