

St Marys Church, Broadwater, Worthing, 2009

Together with Lee Evans Architects of Canterbury we developed a floor construction which combined a variety of dry installed products. The combination of these systems produced a robust floor construction which preserved archaeology yet could withstand loads normally associated with solid concrete floors.



The existing Victorian floor was removed in collaboration with Sussex Archaeology. Finds were recorded and exposed vaults bridged with a beam and block construction.



The main void left by the removal of the existing floor was filled with recycled foamed glass which replaced traditional hardcore and concrete. The foamed glass also provided additional insulation.



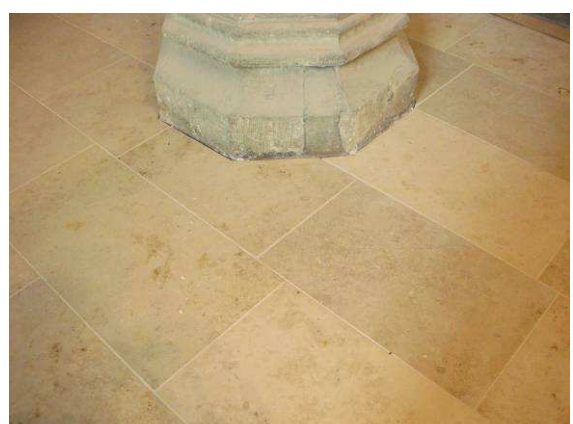
A DPM was laid over the foamed glass and then levelled with granulated slate which was in turn covered with Fermacell flooring elements. High density Collecta XPS insulation was then installed prior to the JUPITER IDEAL EPS system being installed.



For maximum output a total area of 141 m² of IDEAL EPS Edge Zone panels were used.



The JUPITER Screed Replacement Tile is finally installed over the IDEAL heating system as the final substrate to the floor finish



The large format natural stone floor slabs are then adhered flexible tile adhesive to the Screed Replacement Tile system without the need for any movement joints or decoupling system.