



Ecoscreed

THE **FLOWING** SCREED SPECIALISTS

Existing floor renovation Case Study

This house was being renovated and extended, the customer wanted to use a wet under floor heating system throughout the ground floor of the property, to make optimum use of the new Air source heat pump they were installing, but felt that it was too expensive to dig out the entire concrete slab in order to do this.

By removing only the old floor screed and using our Ecoscreed Thermal flowing screed and the Multi Foil insulation it was possible to incorporate insulation and under floor heating within the original floor screed depth. There was also no compromise in the floor to ceiling height and costly alterations to door openings.



This is the floor after the removal of the old screed and with the new multi foil insulation being laid. The joints in the insulation were first taped together with an insulating foil tape and then the polythene layer was also sealed, a 10mm thick foam expansion strip was installed around the perimeter and internal walls, this is to allow for any thermal movement within the building or the screed.

The new extension was built with the concrete slab 100mm lower than the existing house slab, 100mm thick Ecoscreed Gridboard was then laid over this, bringing the two floors to the same level, the multi foil insulation was extended over this joint and sealed.



Under floor heating pipes were laid in a self adhesive rail system directly on to the multi foil insulation and Gridboard, the pipes were filled with water and pressure tested.



The screed was then poured at a depth of around 50mm bringing the finished floor level back up to roughly the same height as the previous floor.

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