

RetroFit Underfloor Heating – Over lay or excavate?

One of the most frequent questions we get asked from customers wishing to retro-fit underfloor heating (UFH) is what is best/most cost effective, excavate the existing floor or add a board system?

Whilst costs can vary hugely by area, tradesman etc., we've compiled a list of comparative costs for each type of UFH install and labour etc on a typical approx 75m² project:

Excavating the floor

Item	Description	£+vat
Building work	Excavate existing concrete floor to 150mm	1000
Disposal	Skips for rubble	450
Insulation	75m ² @ 100mm PIR insulation + DPM	800
DPM	1200 gauge damp proof membrane	100
UFH Kit	UFH kit inc 3 thermostats & controls	850
UFH Install	Installation of UFH kit	650
Screed	65mm sand/cement screed	1150
Total		5000

Pros – insulation to modern building regulations, UFH in thick screed –the best for heat output,

Cons – time duration of work, upheaval, building site conditions, higher expense, noise,

RENOV18 board system

Item	Description	£+vat
UFH kit	RENOV18 Retro Fit UFH system inc controls	2600
Insulation	Airtec foil	180
UFH Install	Installation of UFH kit	1200
Self Levelling	75m ² @ 3mm self levelling compound/install	500
Total		4480

Pros – cheaper than excavation, faster installation, less upheaval,

Cons – less insulation in the floor construction, slightly less heat output,

Conclusion

Whilst we've done our very best to show all of the variables, each customer must decide for themselves which is the best method. Can you cope with the upheaval? Do you want to spend the extra for a well insulated floor?

In both cases the UFH will be sufficient to heat the room(s).