



UNDERFLOOR
HEATING

Nu-Heat
UNDERFLOOR & RENEWABLES

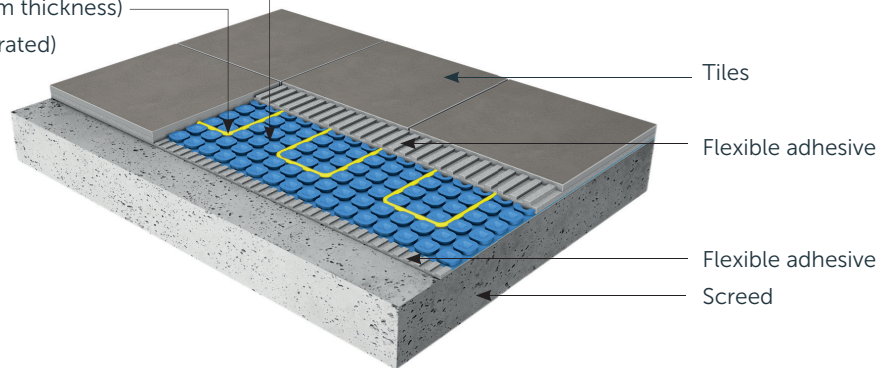
Floor constructions

ElectroMat® electric underfloor heating

Nu-Heat's high performance electric underfloor heating system

Supplied by Nu-Heat

ElectroMat® heating cable
ElectroMat® membrane (5.5mm thickness)
Edge insulation strip (not illustrated)



Supplied by others

DESCRIPTION

Nu-Heat ElectroMat® is an electric underfloor heating system consisting of a patented de-coupling membrane and underfloor heating cable, which delivers an even heat across the entire floor area, and provides a stable, waterproof surface that is particularly suited to bathroom and kitchen areas.

HEATING CABLE

ElectroMat® underfloor heating features cable twist technology to neutralise cable stress offering unbeatable quality. Designed for seamless installation into ElectroMat® de-coupling membrane in areas where heating is required.

DE-COUPLING MEMBRANE

ElectroMat® de-coupling membrane neutralises movement between the substrate and floor finish. It is totally waterproof and the pyramid cavities evenly distribute concentrated floor loads from the tiles, directly onto the floor substrate making it a strong and stable surface.

FLOOR STRUCTURE – RETROFIT & NEW-BUILD

ElectroMat® can be installed over concrete and timber floors with ease. Where possible existing floors should be levelled prior to fitting ElectroMat® to give an even surface for laying tiles. For uneven floor surfaces LoPro®QuickSet self-levelling compound can be purchased from Nu-Heat.

Virtually any covering (except natural timber) can be applied over ElectroMat®, but using less thermally resistive coverings ensures greater heat output and faster warm up times.

Note: Avoid applying ElectroMat® in direct contact with a bitumen or asphalt floor as the temperature of the system can affect the structural properties of the bitumen/asphalt, consult our team if you need any advice.

UNDERFLOOR HEATING EFFICIENCY

The high thermal efficiency of ElectroMat® means warm-up times are similar to those of a radiator system. As the heat is mainly radiant, air convection currents are minimised and heat loss by natural ventilation is reduced.

INSULATION

Inclusion of insulation within the floor increases overall system efficiency.

Suspended timber ground floors: In order to limit downward heat transmission, insulation should be installed where practicable; it is often possible to retrofit insulation such as 'space blanket' between joists.

Concrete ground floors: Concrete sub-floors provide a much better thermal barrier to downward heat loss than suspended timber. Therefore, in a retrofit project, there is no economic justification to remove and replace the existing floor unless damp or structural failure are present. The ElectroMat® electric underfloor heating will still perform effectively.

NOTE

- The heating cable cannot be cut to length;
- Make sure the heating cable is fully covered with flexible tile adhesive or self levelling compound suitable for electric underfloor heating.

WARRANTY

ElectroMat® heating cable is covered by a lifetime warranty (terms and conditions apply).



Online
www.nu-heat.co.uk



Freephone
0800 731 1976 or 01404 549770