

# Heat Mat

## Underfloor Heating

Call 01444 247020  
to find out more or  
visit our website at  
[www.heatmat.co.uk](http://www.heatmat.co.uk)



Levelling Compound

## Heat Mat Fibre Reinforced Flexible Self-levelling Compound

### Flexible Self-levelling Compound

Heat Mat flexible self-levelling compound is a high quality fibre-reinforced compound specifically designed for use with underfloor heating. It is ideal for use when electric underfloor heating is laid beneath carpets, Karndean, vinyl or bonded engineered board floors as it provides a safe base to install the floor on and provides an effective heat spread, ensuring no hot or cold spots. It can be used in thicknesses from 5-50mm in a single pour however a thickness of only 12mm is required when used with underfloor heating.

The compound chemically dries and can be walked on just three hours after being poured, and further surface treatment can be applied a further three hours

later. This speedy drying time saves time and money on installation and ensures rooms are not out of use for sustained periods. The compound will naturally smooth the surface on to which it is being applied, however if required it can be used in a wet room application to create a fall to a drain. The compound can be applied with hand tools or via a mixing pump.

Product code	Description
MIR-THE-0025	25kg Heat Mat Fibre Reinforced Self-levelling Compound
MIR-THE-0001	25 Levelling Compound Barriers
MIR-PRI-0001	1 litre Mira primer for use with compound
MIR-PRI-0007	7.5 litre Mira primer for use with compound

**25 kg**  
4 - 4,5 l.  
Mix between 4/4.5l of water/ bag

Mix for 5 minutes

You have a 1/2 hour window to pour the mix and level it if required

Must not be installed in temperatures of less than 10°C

4,5l. H<sub>2</sub>O - 25kg

Once poured you have 15-30 mins to move it if it is not finding its natural level

4l. H<sub>2</sub>O - 25kg  
Build up a fall (e.g. shower drain)

Don't walk on it for 3 hours

LOW DUST

### Levelling Compound Features

- Flexible fibre reinforced self-levelling compound specifically designed for use with electric underfloor heating
- Suitable for use in wet and dry rooms on all types of floors (for chipboard and ply floors any gaps must be sealed first)
- Once dried nearly any type of floor covering can be installed on top
- Designed to work with underfloor heating to provide the optimum heat spread and a fast warm up time
- Chemically dries in only three hours with further surface treatment possible from six hours after pouring
- Suitable for depths of between 5mm and 50mm in a single pour (min 8mm recommended above underfloor heating)
- Can be used to create a fall if reduced water content is used
- Low dust formula
- Developed and manufactured for Heat Mat in Denmark by mira byggerprodukter a/s

### Compatible with

- Heating mats
- 3mm heating cable
- FlexHeat cable
- 7mm cable
- Thermal insulation boards

### On concrete, tiles, thermal insulation boards or painted surfaces

After the floor primer has dried, the compound should be poured out onto the floor immediately after mixing. Although a certain amount of self-levelling will take place if this is not sufficient the compound can be smoothed and spread into the corners. On thermal insulation boards a minimum thicknesses of 10mm is recommended, and on other surfaces a minimum thicknesses of 5mm is required.



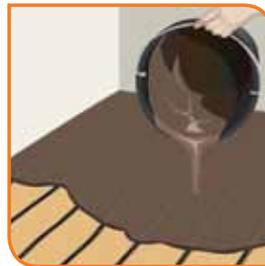
### On secured wooden, ply-board or chipboard floors

Before priming the floor you must ensure that it is suitably secure without any movement and that all gaps between the boards have been sealed up to prevent the compound draining away. After the floor primer has dried, the compound should be poured out onto the floor immediately after mixing. Although a certain amount of self-levelling will take place if this is not sufficient the compound can be smoothed and spread into the corners. A minimum thicknesses of 5mm is required.



### On floors with underfloor heating

This compound is specifically designed for use with electric underfloor heating cables and its formula offers improved heat transfer over ordinary levelling compounds. In addition to following the directions listed above for the sub-floor surface, you must ensure that all heating cables are fully covered with a minimum of 8mm of compound above the top of the heating cables. Our recommended thickness of compound for use with our heating mats and undertile heating cables is 12mm, and under no circumstances must the heating system be used to 'dry out' the levelling compound.



### Building up a fall

To build up a fall, the water content of the mix should be reduced and the compound should be poured along the wall. It will automatically flow towards the floor drain and should be prevented from flowing into it with the use of compound barriers. Once hardened the fall can be adjusted and rendered to match the floor drain.



### Applying surface finish

Further surface treatment can take place once the levelling compound has hardened and dried. The drying time will depend on the ambient room temperature and humidity, and in normal circumstances tiling can take place between six and twelve hours after pouring. At least eighteen hours should be allowed if damp-proofing is going to be laid on top of the compound.



#### Fibre Reinforced Self-levelling Compound

Material consumption 1.7 kg powder/m<sup>2</sup>/mm layer thickness

Layer thickness 5-50 mm

Surfacing The hardened mix will accept most types of floor covering, e.g. pvc, linoleum, ceramic tiles, parquet, textile carpeting. Surface finishing with floor paint can be used on areas where traffic is moderate.

Water resistance The hardened mix has good moisture resistance characteristics, but is not suitable for use outdoors or in water tanks, swimming pools etc.

Product class acc. to EN 13813 C30F6

Shrinkage <0.025%

Opening time 15-20 minutes

Working time 30 minutes

Hardening time Will bear light pedestrian traffic 3 hours after application. Further surface treatment after min. 6 hours.

Dry weight by volume 1.7 kg/litre

Wet weight by volume 1.9 kg/litre

Surface strength acc. to EN 13892 RWA 100

Protective clothing This product contains cement, and appropriate protective clothing should be used when working with it. This may include respiratory protection, hand and skin protection and eye protection.

Flow characteristic 120-130 mm (mira flow test)



### About Heat Mat

With more than 1,000,000m<sup>2</sup> of underfloor heating installed and 17 years' experience of the UK underfloor heating market and a wealth of knowledge on Scandinavian ice and snow melting systems, you can rely on Heat Mat to understand your needs and supply the products to satisfy your requirements.

This is why we are the Professional's Choice, the number one supplier of electric underfloor heating and ice and snow melting systems to the UK's professional installation market.



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