



## Underfloor Heating Mats

### IMPORTANT – DO's & DON'T's

**Confirm before starting work** that the heating mat selected is the **right size** for the floor area - allow a min. 100mm (4") border around the full perimeter of the room and any fixed units (i.e. baths, basins, toilets, kitchen units etc.) or permanent furniture not on legs and calculate the remaining floor area in square metres. You will also need to take into account that mats must not be laid over each other and that there must always be a space of 76mm (3") between heating cables.

- Read the User Guide IN FULL before starting work.
- Don't cut corners with preparation or installation.
- The Philex heating mat is designed to be laid under ceramic tiles. It is not suitable for laying under carpeted or wood floors. - Always check with the floor manufacturer concerning suitability with underfloor heating as heat outputs could change due to thickness of floor covering.
- Before starting you will need a 13Amp power supply wired from a suitable dedicated RCCD or RCBO in the consumer unit running to the thermostat. This should be connected by a qualified electrician.
- The floor must be fully prepared, clean & dust free.
- If installing on to a timber floor you must install an insulating sub-floor underneath. You can use XPS thermal board insulation material available from good DIY retailers.
- Alternatively you can use 18mm exterior plywood. This must be screwed down at a minimum of 200mm centres.
- Do not position the mat over expansion joints.
- The Philex heating mat must not be installed under fixed objects like wall units, kitchen units, baths, or showers and must be able to give off its warmth unhindered.
- The red heating cable, attached to the white glass fibre net, **must not be cut**.
- All installations in wet areas must be wired through a dedicated RCCD in line with the thermostat.
- All connections must be made by an approved electrician in accordance with current IEE regulations.
- Never connect a rolled up mat to a power supply.
- Check that the system works before covering the mats with adhesive.