

# INSTALLATION TERMS & CONDITIONS

The logo consists of the letters 'JK' in a white, stylized, sans-serif font, set against a red square background.

floorheating

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**In addition to the general terms and conditions of sale and supply, the following installation terms and conditions are applicable.**

1. The room in which the floorheating is to be installed must be free from any furniture and other obstacles (i.e. door thresholds). Any areas where UFH is not to be installed, such as under work units and kitchen islands, must be visibly marked in rooms where necessary.
2. JK floorheating engineers must be able to perform their work activities without any hindrance from third parties. No other tradesman must be working in the areas where the cutting is taking place.
3. The floor must be dry and have hardened (new sand-cement screed needs to be sufficiently cured).
4. The floor must be reasonably flat. If levelling is required, this needs to happen before the underfloor heating system is installed (please take into account the required drying time).
5. The floor needs to consist of a 'normal' sand-cement or anhydrite (liquid) top-screed (tiles, flagstones or concrete flooring are subject to assessment).
6. If it is known beforehand that there are services (gas, water, electric) present in the top-screed floor, the JK floorheating engineer must be notified and the floor area needs to be clearly marked by the customer.
7. When services are present in the screed floor, a minimum of 15 [mm] floor depth needs to be present above these services (N.B. According to the building regulations there should be a minimum cover of 20 [mm]).
8. Despite all the precautionary measures that are taken, if damage occurs to services during the installation, JK floorheating cannot be held responsible.
9. At least two electrical circuits should be present and solely available for JK floorheating in the property (with a minimum of a 13 Amp fuse and 16 Amp MCB breaker). During the grinding for the underfloor heating system no other high consumption domestic appliances are to be used, such as tumble dryers, washing machines, dishwashers, electric ovens, hobs, heaters, boilers, irons etc. It is advisable to unplug any vulnerable equipment from the power grid. Damage to or failure of equipment because of a power outage will not be at the cost of JK floorheating. Examples include computers (documents), electronics, the content of refrigerators or freezers etc. The customer themselves are responsible for re-plugging all appliances into the power grid after JK floorheating's work is finished. When executing the grinding work JK floorheating will assume there is a decent electrical installation and fuse box. If the fuse box uses safety fuses, the customer is again responsible for spare fuses. JK floorheating is not responsible for any possible replacement of fuses.
10. If work is to be done on a floor higher than the ground or basement floor, a lift or construction lift must be present to transport machinery up- and downstairs (in compliance with health and safety regulations) and reasonable access to the property must be available. Where applicable, stair access must be available and free from obstructions for any installations taking place other than GF level.
11. The location of the manifold is to be determined in consultation with the sales partner,

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or with JK floorheating. A reasonable location must be selected from a technical point of view, with due regard to the following conditions:

- The distance from the underside of the manifold to the floor must be at least 200 [mm].
- The distance above the top of the manifold must be at least 150 [mm].
- The manifold's dimensions depend on the number of loops.
- The manifold may not be placed in the fuse cupboard (subject to regulations).
- The manifold cannot be positioned below the level of the underfloor heating (due to venting problems).

12. After installation the manifold and primary connection must remain accessible for future possible servicework.
13. The manifold must be installed on the same floor as the underfloor heating system.
14. The manifold must preferably be installed within a 2-meter radius from the floor that needs to be heated.
15. The underfloor heating pipes should be run directly from the manifold into the floor.
16. For the electrical connection of the manifold an earthed socket needs to be placed (within a 0.5-meter radius from the manifold). This can also be done after installing the underfloor heating system. This is the customer's own responsibility.
17. Due care and attention will be taken by JK floorheating engineers during installation of the system; it is the customer's responsibility to remove all valued items from the working area. Any possible damage because of the transportation of material, grinding and drilling, which are necessary for laying or connecting the underfloor heating system, are not part of JK floorheating's liability. Vulnerable items need to be protected or removed by the customer. It is recommended to wait until the underfloor heating system is installed before finishing or installing these objects. In case any openings need to be applied into finished walls, floors, ceilings, cupboards etc., the customer needs to take care of this themselves, or needs to accept that these matters are to be re-finished after JK floorheating's activities are completed. Any openings made by JK floorheating in floors or walls will not be filled in by JK floorheating.
18. During JK floorheating's work the premises is regarded as a building site. Entering this building site is at one's own risk (this includes the customer). The customer needs to ensure that any third parties entering the premises are also aware of this.
19. The customer is responsible for the prevention of freezing where installations are left filled with water.
20. On the day of completion, the customer must be present to approve the installation and sign off on the order.
21. If an underfloor heating system has not been executed correctly in the eyes of the customer, the customer must report this immediately before additional works continue.
22. The accumulated JK refuse bags that will contain the cuttings from the floor must be disposed of via a skip. This must be on site and should also have ample capacity.
23. An outside tap with water supply must be available.
24. Work unaccounted for could incur additional costs and will be charged by JK floorheating.
25. In case the installation terms and conditions cannot be complied with, JK floorheating should be contacted well before installation.