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This brand of laminate floor can be installed on top of 'low temperature' underfloor heating under the following conditions. The underfloor heating in question consists of heating elements with warm water or electrical resistance that are embedded in the subfloor. Heating films or other "new" heating systems cannot be applied as such, but have to be looked at in detail. For technical and physical reasons, a combination system of heating in winter and cooling in summer may cause problems when combined with organic floor coverings in general and laminate floors in particular. Special guidelines can be obtained upon request.

### **Additional instructions and tips.**

- Evidently, normal installation instructions remain valid unless specifically mentioned otherwise.
- The laminate floor must be installed FLOATING.
- The recommended underlay is the best choice for underfloor. A different underfloor of maximum 3 mm thick can be used as well, but needs to be checked on suitability for use with underfloor heating.
- Preferably install an underfloor with built-in damp-proof screen, such as the recommended underlay, or start with a separate plastic foil of minimum 0.2mm thick (in such a case, use a single sheet of foil or use several sheets that overlap minimum 20cm and are taped together).
- The maximum allowed heat resistance of floor covering is 0.15m<sup>2</sup> xK/W (EN4725).

The respective values for this laminate flooring are as follows. R is the total heat resistance of the laminate in combination with the underlay mentioned in the left column.

Laminate thickness (mm)	mm	R total			
		7	8		
2 in 1 Uniclic underfloor	3	0.10	0.10		
With underfloor (sound)		0.08	0.08		

- Make sure to foresee the necessary expansion gaps. Lengthwise, do not install over 12m long.

### **Screed or concrete as underfloor.**

- The type of screed and way of applying, in combination with the underfloor heating, has to be in accordance with supplier guidelines.
- To ensure a steady temperature distribution across the whole floor, the distance between the heating elements cannot exceed 30cm. The depth at which to install the elements is to be determined by the fitter.
- The subfloor must be sufficiently dry when installing the flooring. According to the CM method, moisture content must be <1.5%.
- Minimum 2 weeks before installation of the laminate and minimum 21 days after pouring the concrete/screed, gradually turn up the heating:
  - 50% of the capacity during the first 2 weeks
  - 100% during the last two days
- With recently poured screed please follow your fitter's instructions during the start-up period of your heating. A heating protocol should be available or should be asked for.

### **Heating in general.**

- Switch off the heating prior to installation. The maximum temperature must not exceed 18°C.
- After installation of the floor wait AT LEAST 24 hours to restart the heating. Increase temperature gradually, at maximum 5°C per day.
- The maximum allowed CONTACT temperature is 28°C, the maximum water temperature is 50°C.
- Always change the temperature GRADUALLY at the beginning and at the end of a heating Period.
- The atmosphere in the room cannot be too dry during the heating season. At temperatures of 18-22°C the relative humidity must be a minimum of 50%. If the atmosphere becomes too dry, please use a humidifier. This holds for all floor coverings that have a wood basis.
- Always avoid accumulation of heat under rugs or carpets or due to insufficient space between furniture and the floor.
- During heating season open joints may occur.

For further questions or information, please contact our technical services:

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