

# Viking Woodlands Laminate Flooring

## Under Floor Heating Installation Recommendations

12.15.2025

Viking Woodlands laminate flooring can be installed over hot water under floor heating systems. Electric under-floor heating systems are not preferred; however, electric guidelines are provided for reference.

**The recommendations and information given here are to the best of our knowledge in keeping with current industry guidelines. However, they are intended purely for informational purposes only and as such they do not constitute grounds for any claim under warranty. Viking makes no guarantee or warranty as to the performance or suitability of Viking Woodlands flooring installed over under-floor heating systems.**

For efficient heating in a room the thermal conductivity of the floor should not be higher than 0.15 m<sup>2</sup> K/W. Viking Woodlands flooring has a thermal conductivity rating of between 0.06-0.09 m<sup>2</sup> K/W. If more heat than 65 watts / m<sup>2</sup> is required, we suggest using additional heating appliances.

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## **Installation recommendations:**

Screeds must be installed in accordance with industry standards. All mineral sub-floors must be heated before the installation of flooring, so that no more moisture can be released. This heating process below is required for all seasons. Cement screeds can be heated three weeks after installation; anhydrite screeds after just one week.

The temperature must be raised by increments of 5°C/9°F per day until the maximum heating output is reached. This is also important for all future heating periods. The time you must maintain the maximum heating by running full load depends on the type and thickness of the screed below:

Cement screed: 1 day per cm screed thickness

Anhydrite screed: 2 days per cm screed thickness

After this full load heating phase, the temperature must be decreased by reductions of 5°C/9°F per day. It is necessary to repeat the procedure of heating the screed for the next heating period.

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If the heating and cooling procedure is carried out by the heating installation contractor, they should compile and submit a heating report. Questions should be raised if this report is missing.

Before the installation, moisture should be tested with CM (calcium carbide test) at the points marked by the screed installers and the heating installation contractors. The permissible moisture for cement screed is maximum 1.8 CM-% and for anhydrite screed maximum 0.3 CM-%.

**Important:** To test the dryness of the screed bedding, lay out several pieces of PE film (ca. 50 x 50 cm/20 x 20") and seal off the edges. If no condensation has been collected, the screed is likely dry, and the installation process can be started. A calcium carbide test should be used to verify dryness.

The temperature of the under-floor heating system can be raised again progressively to the required output 24 hours after the floor is installed. Note: This also applies for the beginning of each heating period.

**Important:**

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The surface temperature of your laminate flooring should not exceed 26°C/79°F. An ideal climate during the heating period is a temperature of 20 - 22°C/68 – 72°F and humidity of 50 - 60%. Please note it is imperative that a non-pervious building film with a thickness of at least 0.2mm is laid over the whole surface of the subfloor. The chosen sound insulation underlay can now be laid over the building film. If it is not possible to maintain a constant room temperature, a slight opening of joints may occur. This joint opening is not a defect; it is a consequence of the natural properties of wood and wood products. This should be kept in mind particularly during seasonal changes.

### **Electric under-floor heating systems:**

When using electric underfloor heating systems, only products with these characteristics are suggested for use:

The system needs to consist of connectable mats which include sound insulation, aluminum foil, PET plastic, and the heating cable.

IP class: IPx7

Pressure density: <3 mm with pressure of 2kN (area = 100 x 100 mm)

Max Output pr. m<sup>2</sup>: 55W

The controller of the heating system needs to be a wireless remote device. The connections of the single mats should have a prefabricated connection system, to ensure a complete level surface. For unheated areas proper filling elements are needed.

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<b>HEATING RECORD</b>	
Premises: _____ _____ _____	
1.	<ul style="list-style-type: none"> <li>• On ..... (date) ..... the screed work was completed.</li> <li>• There is a ..... screed</li> <li>• Average thickness of this screed is ..... cm</li> </ul>
2.	<ul style="list-style-type: none"> <li>• On ..... (date) ..... the under-floor heating below the floor construction was switched on and heating temperature increased at the rate of 5 °C per day</li> <li>• the max. achieved lead temperature was ..... °C</li> <li>• this maximal temperature was maintained for ..... days without any reduction during the night periods</li> <li>• From ..... (date) ..... to ..... (date) ..... the temperature was reduced by 5 °C/day</li> <li>• From ..... (date) ..... to ..... (date) ..... the heating was left switched off</li> <li>• On ..... (date) ..... the under-floor heating below the floor construction was again switched on and increased at the rate of 5 °C/day until a max. lead temperature of ..... °C was achieved</li> <li>• This max. temperature was maintained constantly for ..... hours</li> <li>• On ..... (date) ..... the temperature was reduced each day by 10 °C max. and then maintained at 15–18 °C for the laying of the Kaindl Laminate Flooring.</li> </ul>
3.	<ul style="list-style-type: none"> <li>• Were the rooms ventilated and drafts avoided during the heating up and the cooling down periods? <b>Yes / No</b></li> <li>• Were the heated surfaces free from building materials and other covering materials? <b>Yes / No</b></li> </ul>
<b>Confirmations</b>	
<b>for the Builder / Client:</b>	
(Place/Date)	(stamp/Signature)
<b>for the Architects:</b>	
(Place/Date)	(stamp/Signature)
<b>for the Heating &amp; Ventilating Engineers:</b>	
(Place/Date)	(stamp/Signature)

Heating Record Example