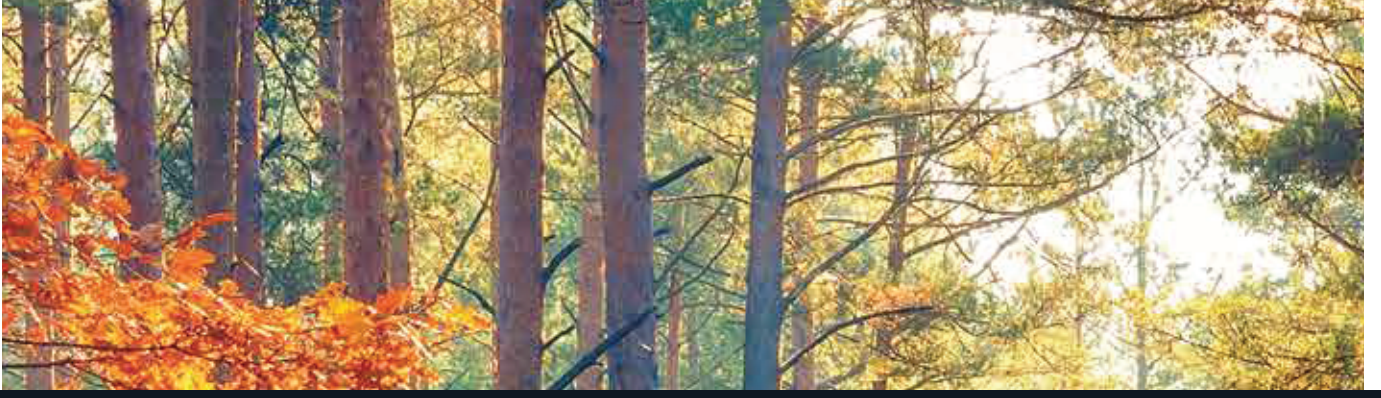




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This document outlines the correct use of SPC flooring with underfloor heating to ensure safe and efficient performance.

1 COMPATIBLE HEATING SYSTEMS

Heating System Type	Compatibility	Description
Warm water (hydronic) UFH	☑ Recommended	Provides even heat distribution and safe low-temp operation.
Electric cable-based UFH	⚠ Conditional	Acceptable with thermostat and surface temperature sensor.
Electric infrared film	✗ Not advised	Uneven heating and risk of direct heat damage to SPC.

2 REQUIREMENTS FOR UNDERFLOOR HEATING SYSTEMS

2.1 Heating Protocol / Commissioning Record

- Before installing SPC flooring, a heating protocol or commissioning document must confirm that the underfloor heating system has been properly activated in accordance with EN 1264-2.

2.2 Temperature Settings and Timing

- The heating system must be operated at 18–22 °C for at least 72 hours before installation of the floor. During installation, the system must continue running in the same 18–22 °C range.
- After installation, it should remain at this temperature range for another 72 hours.
- Rapid or large fluctuations in temperature must be avoided, as they can cause joint separation or warping.
- Under normal operation, surface temperature must never exceed 27 °C.

2.3 Moisture Testing

Drilling-based moisture testing methods (e.g., CM test) must not be used on heated screeds. Such methods may damage the heating pipes. Use indirect moisture assessment based on the heating protocol or system specifications.

2.4 Material Compatibility and Performance

- SPC floors, due to their stone-plastic composite core, offer excellent heat conduction and structural stability under thermal load.
- However, prolonged exposure to high temperatures may cause deformation or loss of elasticity in the vinyl surface.
- For this reason, 27 °C is the maximum allowable surface temperature during use.

3 SUBFLOOR & INSTALLATION CONDITIONS

Requirement	Value / Description
Subfloor temperature	Between 18 – 30 °C
Room temperature	Between 15 – 22 °C
Moisture limit	≤ 2% CM (cement screed)
Minimum curing time	60 days (screed)
Surface flatness	Max. 2 mm deviation over 2 m
Expansion gap	8–10 mm around walls and fixed elements
Screed thickness above pipes	Min. 10 mm

4 POST-INSTALLATION SYSTEM STARTUP

- After SPC installation, the heating system must remain off for at least 24 hours.
- Then, the system should be restarted with incremental increases of max. 2–3 °C per day.

5 WARRANTY CONDITIONS

Application / Condition	Covered
Installation in accordance with EN 1264-2	✓ Yes
Surface temperature below 27 °C	✓ Yes
Electric UFH without surface sensor	✗ No
CM testing with drilled screed holes	✗ No
Sudden or excessive temperature changes	✗ No