



Atkinson & Kirby
Real Wood Flooring for Professionals



INSTALLATION OVER UNDERFLOOR HEATING Hot Water Pipe Systems

Engineered Hardwood Flooring Only (to be used in conjunction with our Installation Guidelines)

GENERAL GUIDANCE

The maximum temperature at the point of contact (where the heating meets the underside of the hardwood floor) is 27°C. In order to ensure that this is adhered to, we recommend the use of an underfloor heating system that controls this temperature by way of floor sensors (a probe).

The radiant heating system must not exceed 8 watts/sq.ft, heating capacity and the running water temperature should range between 38-49°C at the most.

To preserve the integrity of the Hardwood Flooring the room temperature must not vary more than 9°C between seasons and the humidity must be maintained between 45 and 60% relative humidity throughout the year. A humidifier should be used to maintain relative humidity if necessary.

During the heating period small hairline cracks may appear. These hairline cracks are generally evenly spread and are not cause for concern. They may also appear under rugs and furniture.

Please Note that Beech and Maple are LESS suitable for use over underfloor heating due to having greater movement potential.

PRE-INSTALLATION REQUIREMENTS

Before installing the Hardwood Flooring radiant heat slabs must be activated to normal living temperatures for a minimum of 21 days. This will ensure that the slab is dry. During this period the temperature should be gradually increased until the maximum recommended temperature is reached. The maximum temperature should be maintained for at least a week.

Before installation reduce the temperature gradually by 5°C per day. At the time of installation the subfloor temperature should be between 16– 18°C.

The installation can now be carried out.

After installation the temperature of 16–18°C should be maintained 3 – 4 days before it is increased gradually over a further 3 – 4 days to the recommended subfloor surface temperature of 24– 27°C. Despite the season the recommended temperature of 24– 27°C should be maintained for a further 3 – 4 days. Please keep a daily heating log during the installation period; this may be useful at a later date.

INSTALLATION METHODS

The R – Value of the Hardwood Flooring installed in the glue down method using Laybond L19 is lower than that of flooring installed in the floating method.

*Only glues recommended for the installation of Hardwood Flooring over radiant heat should be used, other glues might loose their adhesive strength due to radiant heat.



Fixing can be done using one of three methods.

METHOD 1

Laid floating (using Gripfill PVA on all four edges) over a suitable underlay (recommended by Atkinson & Kirby) loose laid on the sub floor.

METHOD 2

Laid floating without underlay, using Gripfill PVA glue on all four edges.

METHOD 3

Glued down using Laybond L19 adhesive.

PLEASE NOTE: The radiant heat (R Value) transfer is greatest using method 2 and least