



SPECIAL INSTRUCTIONS - RADIANT HEAT APPLICATIONS

PROTECT YOUR INVESTMENT!

Maintain your warranty:
Only use Kährs branded
underlayments,
moldings, cleaning
supplies, and
accessories.



Radiant Heat Applications, Float-In Only

NOTES:

- Kährs flooring is covered by a Limited Lifetime Warranty. However, warranty coverage may be lost due to failure to strictly follow all installation instructions and recommendations or the use of improper materials or tools. **READ ALL INSTRUCTIONS CAREFULLY.**
- Kährs does not recommend the use of Beech or Maple over Radiant Heat
- Kährs zomm product is susceptible to face cracks and gapping. This is NOT a manufacturing defect but should be taken into consideration when choosing this product over Radiant Heat subfloors.
- Kährs approves Float-In only over Radiant Heat. **Glue Down must be pre-approved.** Contact your Kahrs Regional Manager for details

IMPORTANT!

- **Do not open packages until ready to begin installation!** Inspect boards before installation. Kährs flooring is sealed at the factory with a 7% moisture content. Opening cartons to acclimate the flooring (as with some solid strip flooring) could result in a difficult installation.
- As an installer, it is your responsibility to be aware of the grade, Relative Humidity of the room, and moisture content of the subfloor. You should check that each plank is free of damage or manufacturing defects. Any unusable boards should be set aside for later replacement.

SUBFLOOR SPECIFICATIONS

- Surface of subfloor must be level to within 1/8" in an 8' radius.
- Concrete subfloors must not contain more than 2lbs. moisture on a dry-weight basis. Moisture content of wood subfloors should be between 6-10% moisture content.
- Subfloor must be clean.
- Relative humidity at the job site must be, and remain, minimum 30%, maximum 60%. Temperature setting must be, and remain, within 15° F of normal operating range.

JOBSITE EVALUATION

- Before floating a Kährs floor over a radiant heat subfloor, inspect jobsite thoroughly. Lightweight concrete and heating system must be laid correctly according to manufacturer's specifications.
- Before installing a Kährs floor over a Radiant Heat system, the following conditions must be met:
 - A) Moisture content of lightweight concrete subfloor must not exceed 2lbs. on a dry-weight basis at time of flooring installation (calcium chloride test).
 - B) Concrete must have been installed and cured at least four (4) weeks with no heat transference.
 - C) Heating system should then be run at 2/3 maximum output for minimum of two (2) weeks to allow any remaining moisture to evaporate, attaining its final moisture content without causing damage.
 - D) Three or four days before flooring installation, heating system must be reduced to suitable temperature (about 64° F or 18° C).
 - E) Subfloor level should not vary more than 1/8" in an 8ft. radius.

PREPARATION

Lightweight Concrete: To prepare concrete subfloor for installation, scrape any high spots.

Plywood: To prepare a plywood subfloor for float-in installation, re-nail any loose areas or areas with squeaks. Sand and/or plane any high spots and fill any low areas. Use caution not to damage radiant heating system.

Door casings: should be notched or undercut to avoid difficult scribe cuts . Sweep or vacuum subfloor thoroughly.

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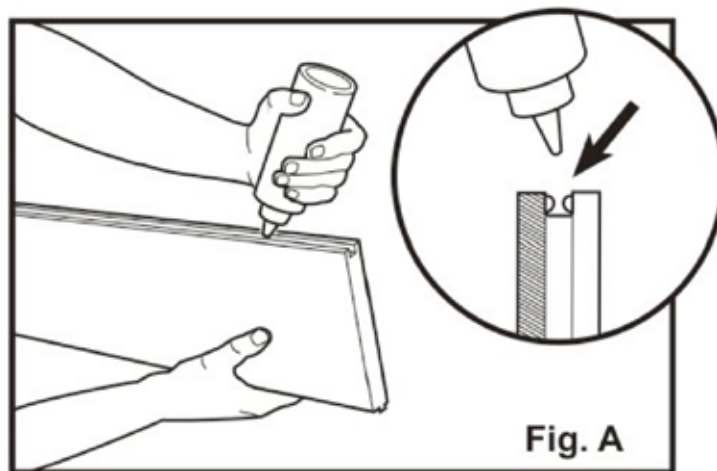
INSTALLATION

Installation: Installation: Float-In Only - Glue down with Pre-approval only.

Floating installations (except for Activity Floor-refer to Activity Floor Installation Guide) require the use of Kährs Combo underlayment or Quietstride installed over 6 mil plastic. These products are warranty approved for Radiant Heat installations.

Double gluing of grooves is required for Traditional Tongue & Groove.

Double gluing (Fig. A) increases the bond strength between boards by 90% over single gluing.



R-VALUE: KÄHRS FLOORING

Kährs Supreme 20mm:	0.81R
Kährs Original 15mm & Kährs Avanti 13mm :	1.12-1.15R
Kährs Avanti 12mm:	1.05R
Kährs Spirit 10mm:	0.56R
Kährs Linnea 7mm:	0.34R
Combo System Underlayment:	0.39R
QuietStride Underlayment:	0.40R

AFTER INSTALLATION

Beginning approximately two (2) days after installation is complete, gradually (over period of one week) raise temperature of heating system to its desired operating level. **Surface temperature must never exceed 81° F (27° C).**



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