

Installation Guidelines

Interior Floor Tiles- Radiant Heat (RH115)

SUBSTRATE: Concrete

SETTING: Latex-Portland Cement

- » Use on plane, clean concrete and on slab-on-grade construction where no bending stresses occur.
- » The slab must be cured and free of cracks, residues or oily substances.
- » Follow instructions on floor warming manufacturer's system for installation.
- » Upon completion, apply a multipurpose polymer fortified thin-set mortar with a trowel.
- » Apply tiles to the thin set.
- » Let thin-set dry according to directions.
- » Choose the grout that is appropriate for the type of tile that has been installed.
- » Clean excess grout using a wet sponge or according to directions on grout packaging.

SUGGESTED MATERIALS:

- » Mortar: ANSI A118.4 for slab-on-grade installations; use only a manufacturer's designated grout for above-grade structural slabs.
- » Grout: ANSI A118.3, A118.6, A118.7 or A118.8 for slab-on-grade installations; use only a manufacturer's designated grout for above-grade structural slabs.

PREPARATION BY OTHER TRADES:

- » Slab should be free of any curing compounds.
- » Maximum variation in the slab 1/4" in 10' and 1/16" in 1'0" from the required plane.
- » Electrician or qualified contractor should wire electric radiant system to power source.

MOMEMENT JOINTS:

- » Architect must specify type of joint and show location and details on drawings.
- » Follow EJ171 page 79 "2007 TCA Handbook for Ceramic Tile Installation" for slab-on-grade installations.
- » Electric radiant system should not be applied over building expansion joints.

INSTALLATION SPECIFICATIONS:

- » Tile: ANSI A108.5.
- » Grout: ANSI A108.6, A108.9 or A108.10.
- » Electric radiant system: UL (US) 1693.