

Installation Guidelines

Interior Floor Tile (F205)

SUBSTRATE: Concrete**UNDERLAYMENT: Cementitious Self-Leveling****SETTING: Thin-Set Mortar**

- » Recommended where leveling of sub floor is required, on clean concrete, or slab-on-grade construction where no bending stresses occur, interior dry applications with limited water exposure areas with waterproof membrane (ANSI A118.10) installed over properly cured self leveling underlayment.
- » The concrete slab should be free of cracks, residues and curing compounds.
- » Apply a primer following manufacturer's instructions. Usually painted, mopped or sprayed onto surface. Allow to dry (from 2 hours to 24 hours).
- » Apply self leveler following manufacturer's instructions. Usually poured or pumped and spread with a spike roller or a gauging rake. Allow to dry (usually 4 + hours).
- » Once dry, spread a thin layer of thin-set mortar on the dried underlayment.
- » Apply the tile on the thin-set materials. Make sure that at least 95% of the tile is touching the bed.
- » After installation of tiles, allow the floor to cure according to thin-set instructions.
- » Install the chosen grout appropriate to the tile selected.

SUGGESTED MATERIALS:

- » Self leveling underlayment exceeding performance requirements of ASTM C627 for the anticipated use.
- » Mortar: ANSI A118.4 for slab-on-grade installations; use only a manufacturer's designated mortar 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.
- » Crack isolation membrane: ANSI A118.12 as recommended by setting material manufacturer for application.

PREPARATION BY OTHER TRADES:

- » Slab to have fine broom finish with no curing compounds.
- » Maximum variation in slab shall not exceed ¼" in 10'-0" from required plane.

MOVEMENT JOINT:

- » Architect must specify type of joint and show location and details on drawings.
- » Movement joints: mandatory in accordance with Method EJ171, "2007 TCA Handbook for Ceramic Tile Installation," page 79.

INSTALLATION SPECIFICATIONS:

- » Tile: ANSI A108.5.
- » Grout: ANSI A108.6, A108.9, or A108.10.
- » Self-Leveling underlayment.
- » Crack Isolation membrane: ANSI A108.17 or follow manufacturer's recommendations.