

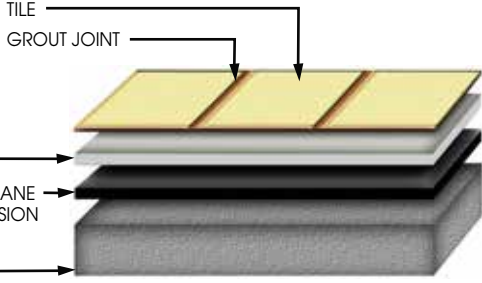
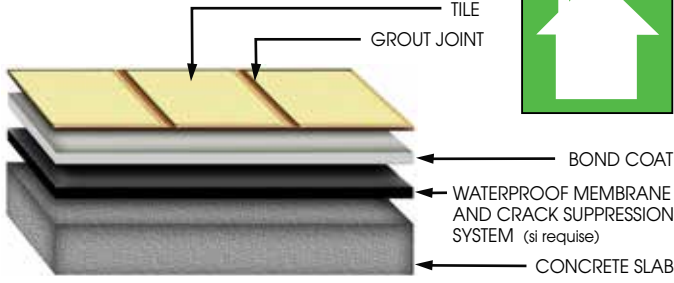


## TILE BONDED TO CONCRETE SLAB, THIN-SET METHOD INTERIOR/EXTERIOR (311F-2009/2010)

**SUITABLE SUBSTRATES:** Floor systems over which the tile will be installed shall be in conformance with the Canadian National Building Code 2005 and applicable local building codes taking into consideration anticipated live and dead loads.

INDOOR	OUTDOOR
	
	
<p><b>MATERIALS</b></p> <p><b>TILE:</b> Ceramic, porcelain, mosaic, quarry, pavers, precast terrazzo and natural stone.</p> <p><b>BOND COAT:</b> Prolastic 6 500/8 500, Litefix, Megaflex, Optiflex, Multirapid, Multiflex, Ceraflex, Flex XL or Flex GT-30.</p> <p><b>GROUT:</b> POLY 800 Precision Water-Based Epoxy Grout, POLY 500 sanded or POLY 600 unsanded.</p>	<p><b>MATERIALS</b></p> <p><b>TILE:</b> Ceramic, porcelain, mosaic, quarry, pavers, precast terrazzo and natural stone (frost resistant).</p> <p><b>BOND COAT:</b> Prolastic 6 500/8 500, Litefix, Megaflex Optiflex, Multirapid.</p> <p><b>GROUT:</b> POLY 500 sanded with 9022 latex additive.</p>

### APPLICATION

Apply tile to bond coat before skinning occur. Use sufficient bond coat to ensure minimum 95% contact on exterior surfaces and wet areas and minimum of 80% contact on interior dry surfaces. Contact shall be evenly distributed to give full support of the tile. Slide firmly into position. Allow bond coat to cure. Force grout into full depth of joint, remove excess grout and clean.

### LIMITATIONS

- Maximum variation of slab should not exceed 6 mm (1/4") in 3049 mm (10') or 2 mm (1/16") in 305 mm (12").
- Provide positive drainage below exterior slabs; use latex-Portland cement mortars on exterior slabs. Use of epoxy mortars and grouts is recommended for interior surfaces only or where improved chemical resistance is required.
- Use method 309F-2009/2010 or crack isolation membrane if recommended by the manufacturer for precast floor systems, post tensioned concrete floor systems and other floors subject to movement or deflection.
- Not a roof assembly (for roof assembly see detail 325-2009/2010 detail A).

### OTHER CONSIDERATIONS

- For exterior installations, use a suitable PROFIX cement mortar. Backbuttering of the tile is required to achieve 95% contact.
- Tile used in exterior applications must be frost resistant.
- Refer to Notes For The Professional and 301MJ-2009/2010.
- Imper Waterproofing membrane and Crack Suppression System if required must be specified. (ANSI A118.10-1999). Follow PROFIX's recommendations.
- For exterior use concrete slab must be sloped to provide positive drainage and adequate drainage below slab must be provided.
- Uncoupling membrane may require unmodified dry-set mortar for tile bond coat. Follow manufacturer's recommendations.