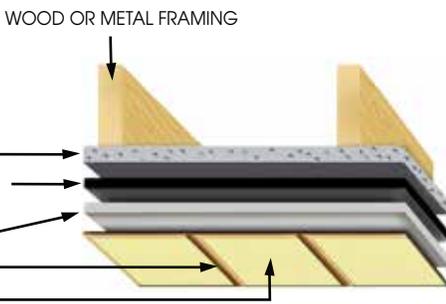
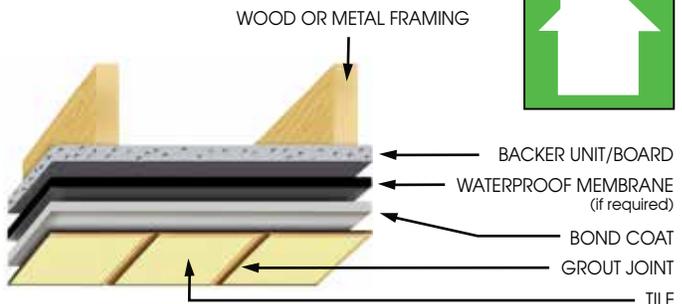


## TILE INSTALLED ON INTERIOR/EXTERIOR CEILINGS OR SOFFITS THIN-SET METHOD OVER BACKER UNIT/BOARD-CONCRETE (315C-2009/2010)

**SUITABLE SUBSTRATES:** Wood or metal studs, maximum 406 mm o.c.

<p><b>INDOOR</b></p> 	<p><b>OUTDOOR</b></p> 
	
<p><b>MATERIALS</b></p> <p><b>TILE:</b> Ceramic, porcelain, mosaic.</p> <p><b>VAPOUR BARRIER:</b> 6 mm (1/4") polyethylene film. Required in wet areas.</p> <p><b>CEMENTITIOUS BACKER UNITS (CBU):</b> (ANSI A118.9-2008) or coated glass mat backer board (ASTM C1178/C1178M-8) or gypsum board (ASTM C36-1997) (dry areas only).</p> <p><b>SLIGHT LEVELLING COAT, IF REQUIRED:</b> Prolastic 6 500/8 500, Litefix, Megaflex, Multirapid, Multiflex, Ceraflex, Flex GT-30.</p> <p><b>WATERPROOFING AND CRACK SUPPRESSION SYSTEM:</b> Imper.</p> <p><b>BOND COAT:</b> Prolastic 6 500/8 500, Litefix, Megaflex, Multirapid, Multiflex, Ceraflex or Flex GT-30.</p> <p><b>GROUT:</b> POLY 500 sanded, POLY 600 unsanded or POLY 800 Precision Water-Based Epoxy.</p>	<p><b>MATERIALS</b></p> <p><b>TILE:</b> Ceramic, porcelain, mosaic (frost resistant).</p> <p><b>VAPOUR BARRIER:</b> 6 mm (1/4") polyethylene film.</p> <p><b>CEMENTITIOUS BACKER UNITS (CBU):</b> (ANSI A118.9-2008) or coated glass mat backer board (ASTM C1178/C1178M-8).</p> <p><b>SLIGHT LEVELLING COAT, IF REQUIRED:</b> Prolastic 6 500/8 500, Litefix, Megaflex or Multirapid.</p> <p><b>WATERPROOFING AND CRACK SUPPRESSION SYSTEM:</b> Imper.</p> <p><b>BOND COAT:</b> Prolastic 6 500/8 500, Litefix, Megaflex or Multirapid.</p> <p><b>GROUT:</b> POLY 500 sanded mixed with 9022 latex additive.</p>

### APPLICATION

Cementitious backer unit (CBU) or coated glass mat backer board must be level, stable, square and screwed to studs with corrosion resistant screws. Do not countersink screws. Surface variation in the backing not to exceed 6 mm (1/4") in 3049 mm (10') or 2 mm (1/16") in 305 mm (12"). Apply levelling coat if required. All joints must be taped with 51 mm (2") fibre mesh tape, filled with a dry-set or latex mortar, and sanded. Do not sand coated glass mat backer board unless a waterproof membrane is used after sanding. Apply thin-set bond coat to cement board surface using proper notched trowel to ensure adequate bond. Slide tile or beat mosaic firmly into position while bond coat is wet and tacky. Use sufficient bond coat to ensure minimum 95% contact on exterior surfaces and wet areas and minimum 80% on interior surfaces. Force grout into full depth of joint, remove excess grout and clean.

### LIMITATIONS

- PROFIX's recommendations must be followed. Exterior tile installations should not be attempted when temperature is less than 12°C.
- Do not use paper-back, mesh-back or dot mounted tile for exterior use or in locations of extreme moisture unless the manufacturer guarantees that the material is suitable for this type of installation.
- Framing for ceiling shall be capable of supporting weight of tile and backup system.
- A waterproof membrane or vapour barrier not to be used behind coated glass mat backer board.
- All requirements for exterior applications must be met.
- Coated glass mat backer board is not recommended for exterior applications.

## **OTHER CONSIDERATIONS**

- Spacing and minimum gauge of steel studs as per instructions of manufacturer of cementitious backer unit (CBU) or coated glass mat backer board on exterior installation.
- Imper Waterproofing membrane and Crack Suppression System if required must be specified. (ANSI A118.10-1999). Follow PROFIX's recommendations.
- Tile used on exterior applications must be frost resistant.
- Refer to Notes For The Professional and 301MJ-2009/2010.
- For high use showers (hotels, gang showers, sport facilities, etc.) a Imper Waterproofing membrane and Crack Suppression System shall be used.
- All openings and cuts must be treated to ensure waterproof integrity.
- Verify with PROFIX technical assistance the correct cure time for Latex-Portland cement mortar (ANSI A118.4-1999), to reduce the curing time required, a rapid set mortar may be more suitable.