
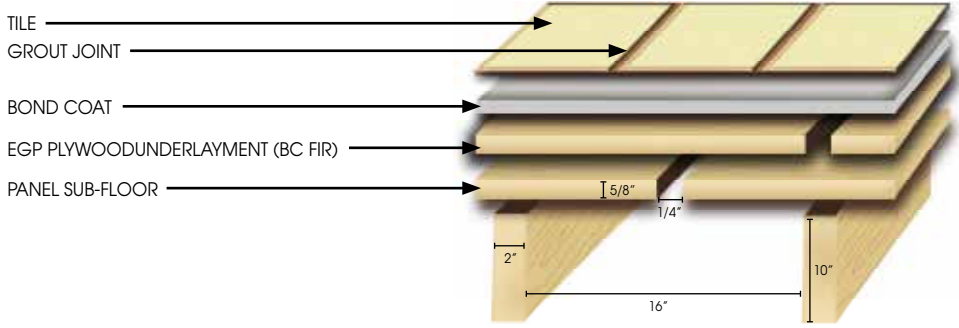


## TILE APPLIED OVER WOOD SUBFLOOR IN DRY AREAS THIN-SET ON PLYWOOD (313F-2009/2010)

**SUITABLE SUBSTRATES:** Floor systems, including the framing system and subfloor panels, 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**





**MATERIALS**

**TILE:** Ceramic, mosaic, porcelain, quarry, pavers, precast terrazzo, natural stone.

**BOND COAT:** Prolastic 6 500/8 500, Litefix, Megaflex, Multirapid, Optiflex, Multiflex, Ceraflex, Flex XL or Flex GT-30.

**GROUT:** POLY 800 Precision Water-based epoxy grout, POLY 500 sanded or POLY 600 unsanded.

### APPLICATION

**Suitable Subfloor:** Douglas Fir plywood, Canadian Softwood plywood, Poplar plywood, Construction sheathing or OSB. Joists to be spaced 406 mm (16") o.c. Apply both layers of panel with top grain at right angles to joist, and with top layer staggered to give 50% overlap of sheets of sub-floor. Gap the top layer of plywood 6 mm (1/4") between sheets.

**Underlayment:** Only 16 mm (5/8") or thicker Douglas Fir exterior-grade plywood Select Tight-faced, meeting CSA-0121. Attach underlayment with 30 mm (1 1/8") screws placed 152 mm (6") o.c. around perimeter and 203 mm (8") o.c. throughout the body of the panel. Underlayment screws to go through the total thickness of the assembly but should not penetrate the joists or cross bridging/solid blocking. Use sufficient bond coat to ensure minimum 80% contact. Contact shall be evenly distributed to give full support of the tile. Slide tile firmly into position. Allow bond coat to cure. Force grout into full depth of joint, remove excess grout and clean.

### LIMITATIONS

- For use on interior floors in dry areas. For residential or light commercial use only.
- Waferboard, particleboard and similar products should not be used for subfloors or underlayment.

### OTHER CONSIDERATIONS

- Local practice sometimes incorporates and expanded metal lath attached to the plywood. This is an acceptable method of installation, providing that two layers of plywood is used and the material used to fill the metal lath is one of the bond coats listed above.
- Solid block are preferred to cross bridge floor joists.
- Refer to Notes For The Professional and 301MJ-2009/2010.
- For residential only a 25 mm mortar bed may be used. The sub-floor shall have a minimum thickness of 16 mm.
- For natural stone and some tile larger than 305 mm X 305 mm deflection must not exceed L/720 of span.