

# TILE OVER MORTAR BED WITH CLEAVAGE MEMBRANE INTERIOR ONLY

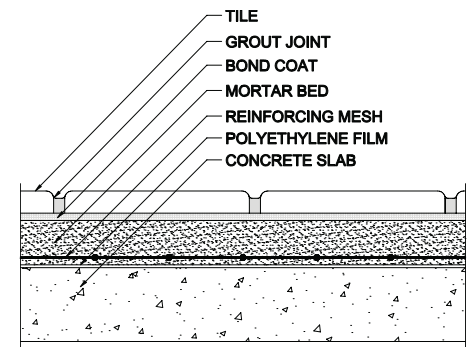
309F-2009/2010

## SUITABLE SUBSTRATES

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

## MATERIALS

- TILE
- CLEAVAGE MEMBRANE - 0.10 mm (6 mils) polyethylene (optional 15lb felt).
- REINFORCING MESH 51 mm x 51 mm x 1.6 mm—Welded wire/fabric (galvanized square wire mesh) (ASTM A82, ASTM A185-97)
- MORTAR BED  
**Flextile Dry Pack Mortar with Flextile 57 Slurry Bond Coat**
- BOND COAT (on fresh mortar bed)  
**Flextile 51 Bond Coat**
- BOND COAT (on minimum 24 hour cured Mortar Bed)  
**Flextile 60, 50, 52, 56SR, 58, 61, 62 Polymer Modified Thin-set Mortar (ANSI A118.4 / A118.11)**  
**Flextile 51 / 43 or 44 two-component Latex Mortar System (ANSI A118.4 / A118.11)**  
**Flextile 53 / 43 or 44 two-component Latex Mortar System (ANSI A118.4 / A118.11)**  
**Flextile 58XT Fast Set – two-component Latex Mortar System (ANSI A118.4 / A118.11)**
- BOND COAT (on minimum 7 day cured mortar bed)  
**Flextile Flex-Epoxy 100 – 100% Solids Epoxy Mortar**
- GROUT  
**Flextile Polymer Modified Grout (ANSI A118.7)**  
**Flextile Flex-EPOXY 100 – 100% Solids Epoxy Grout (ANSI A118.3)**  
**ColourMax Plus Urethane Grout**



## APPLICATION

- Maintain a minimum of 16 mm of mortar under wire reinforcement. Apply mortar bed (see Tile Guide Specification Section Mixes 2.5.5) to required thickness. Finished tolerance of mortar bed not to exceed 6 mm in 3049 mm or 2 mm in 305 mm. Apply tile to bond coat before bond coat skins over. Use sufficient bond coat to ensure minimum 80% contact. Contact shall be evenly distributed to give full support of the tile. On fresh mortar bed, beat tile into position. On dry set mortar, slide tile into position. Beat mosaic tile into position. Allow bond coat to cure. Force grout into full depth of joint, remove excess grout and clean.

## LIMITATIONS

- Manufacturer's recommendations must be followed.
- The thickness of the mortar bed should be 51 mm minimum.

## OTHER CONSIDERATIONS

- Latex additive used in place of water is recommended for Portland cement bond coat, and may be used in modification of mortar bed.
- Where required for chemical resistance, 100% solids epoxy setting material and/or grout should be used.
- Refer to Notes For The Professional and 301MJ- 2009/2010.
- Refer to notes on Crack Isolation Membranes and 311F-2009/2010 Detail C.



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