

SUITABLE SUBSTRATES

- For installation on the following stable substrates: Gypsum Board, CBU, Fiber Cement Underlayment, Coated Glass Mat Water Resistant Gypsum Boards or Cured Mortar Bed.
- Gypsum Board for dry interiors only.
- Over dry, well-braced wood studs or furring.
- Over well-braced metal studs (For drawings refer to 304W,305W-A,B,307W) NOTE: The maximum loading recommended for Gypsum Board is 5lbs/ sf including setting and grouting materials.

MATERIALS

- TILE
- Gypsum board – ASTM C36 or C630.
- CBU – ANSI A118.9, installed in accordance with ANSI A108.9
- Fiber Cement Underlayment – ASTM C 1288
- Cured mortar bed, lath & membrane – ANSI 108.1B
- Crack Isolation Membrane – ANSI A118.12 (follow membrane manufacturers instructions for use on vertical surfaces)
1000 or 2000SC Flexilastic Crack Isolation & Sound Reduction Membrane with 4000 or 4001 Flexilastic Primer (ANSI 118.12)
- Waterproof membrane – ANSI A118.10.
Flexitile WP900 or WP980 Waterproof & Crack Isolation Membrane (ANSI A118.10/A118.12)
- Vapor/moisture barrier membrane (when required) to be 15lb roofing felt or minimum 4-mil polyethylene film.
- LEVELING COMPOUND
Flexitile 57 Scratch Coat
- BOND COAT:
Interior: Flexitile 56SR or 66 Polymer Modified Mortars (ANSI A118.4/A118.11)
Flexitile 51 / 44 – two component Latex Mortar System (ANSI A118.4/A118.11)
Flexitile 58XT Fast Set two-component Latex Mortar System (ANSI A118.4/A118.11)

Exterior: Flexitile 51 / 44 – two component Latex Mortar System (ANSI A118.4/A118.11)
Flexitile 58XT Fast Set two-component Latex Mortar System (ANSI A118.4/A118.11)
Use white thin-set mortar for white or light colored stones
- GROUT
Flexitile Polymer Modified Grout (ANSI A118.7)
ColourMax Plus Urethane Grout

APPLICATION

- Measure deflections on the floor or wall using a 10ft straight-edge prior to commencing any installation.
- Crack Isolation Membrane – ANSI A108.17 or follow the CIM manufacturer's recommendations – to provide complete coverage of the substrate in the area on which the large format tile is to be installed.
- Waterproof membrane – ANSI A108.3 or follow the CIM manufacturer's recommendations. Use recommended notch trowel for setting larger format tiles. Apply mortar into substrate with fl at side of trowel. This ensures complete contact to the pores of the substrate. It is very important that complete coverage be achieved by back buttering each piece of tile with thin-set mortar immediately prior to setting the tile to ensure that no voids are present against the back of the tile. Install tile in accordance with ANSI A 108.5.
- Periodically check coverage and bond by picking up freshly installed tile and inspecting. Be sure to remove contaminants on the back of tile so as ensure proper adhesion of tile to thin-set.
- Apply tile to bond coat before bond coat skins over. Use sufficient bond coat to ensure minimum 95% 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

- Do not use regular gypsum board in wet areas such as tub & shower enclosures.
- Do not use in areas where gypsum board is exposed to temperatures above 52°C
- Maximum variation of slab should not exceed 6 mm in 3049 mm or 2 mm in 305 mm.
- For tiles larger than 381 mm x 381 mm and or grout joints of 5 mm or less, more stringent tolerance of 3 mm in 3049 mm is required. For tiles larger than 152 mm x 305 mm with a running bond pattern shall be installed with a 3 mm grout joint minimum. The joint shall be increase proportionally by the amount of the warpage in the tile. For example, if there is warpage of 2 mm the grout joint shall be 6.5 mm (4.5 + 2 mm = 6.5 mm) minimum.

OTHER CONSIDERATIONS

- Maximum stud spacing – 406 mm o.c.
- Minimum recommended metal stud depth 92 mm
- Metal studs – 20 gauge or heavier.
- Movement Joint (architect must specify type of joint and show location and details on drawings)
- Movement joints – mandatory, according to Detail 301MJ-2009/2010.
- For exterior installations, use a suitable latex-Portland 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.
- Waterproof membrane if required must be specified. (ANSI A118.10-1999) Follow manufacturer's recommendations.



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