

Installation Guidelines

Interior Wall Tile (W244-C) Wet or Dry

SUBSTRATE: Wood or Metal Studs

UNDERLAYMENT: Cementitious Backer Board

SETTING: Dry-Set or Latex-Portland Cement Mortar

- » Use this method in wet or dry areas, over dry well-braced wood or metal studs.
- » When waterproofing, use a membrane meeting ANSI A118.10. When installing such membrane, use manufacturer's instructions and ANSI A108.13. The waterproofing membrane may be installed on the front face of the backer board beneath the stone tile or directly on the substrate surface.
- » Studs must be spaced a maximum of 16" o.c. with a minimum depth of 3 ½".
- » Metal studs must be 20 gauge or heavier.
- » Install the cement backer board leaving a 1/8" gap between boards. Fasten to the studs using galvanized nails, screws or other corrosion-resistant fasteners. Fasten every 6"-8" or according to manufacturer's instructions.
- » Mark where plumbing will need to come through and cut board with a utility knife or hole-saw.
- » Tape seams with alkali resistant glass fiber mesh tape 2" thick.
- » Apply a coat of water proof liquid membrane with a roller or brush.
- » Press the water proof fabric into the coat of water proof liquid membrane until liquid membrane slightly oozes out the fabric.
- » Apply another coat of the water proofing liquid to the fabric and allow to dry (approx. 3 hours, per directions).
- » Apply one last coat of water proofing membrane to surface. Once dry, check for pinholes, cracks or any other defects. Allow to dry.
- » Apply a thin layer of thin-set to bed and apply tiles. Make sure that 95% of tile is touching bed. Allow thin-set to dry.
- » Choose the grout most appropriate to the tile. Use a silicone caulk where corners meet as this will allow for shifting.
- » Allow grout to dry and clean according to manufacturer's directions.

SUGGESTED MATERIALS:

- » Cementitious backer units: ANSI A118.9 or ASTM C1325 (Type B).
- » 2" alkali-resistant glass fiber mesh tape.
- » Water proofing membrane.
- » Galvanized screws, nails or fasteners.
- » Latex-Portland cement mortar, thin-set or dry-set mortar: ANSI A118.1, ANSI A118.4.
- » Grout: ANSI A118.3, A118.6 or A118.7.
- » For chemical resistance, use epoxy mortar and grout: ANSI A118.3.

PREPARATION BY OTHER TRADES:

- » Maximum variation in backing surface: ¼" in 10' and 1/16" in 1' from the required plane.
- » 1/8" spacing between backer units filled solid with dry-set or latex: Portland cement mortar.
- » 2" alkali-resistant glass fiber mesh tape in dry-set or latex: Portland cement mortar.
- » Water-proof membrane.

MOVEMENT JOINT:

- » Architect must specify type of joint and show location and details on drawings.
- » Movement joints- mandatory in accordance with Method EJ171, "2007 TCA Handbook for Ceramic Tile Installation," page 79.

INSTALLATION SPECIFICATIONS:

- » Tile- ANSI A108.5.
- » Grout- ANSI A108.6, A108.9, or A108.10
- » Cementitious Backer units- ANSI A108.11.
- » Waterproofing membrane- ANSI A118.10 and ANSI A108.13.