GENERAL CONDITIONS
Systems, including the framing system and panels, over which tile or stone will be installed shall be in conformance with the International Residential Code (IRC) for residential applications, the International Building Code (IBC) for commercial applications, or applicable building codes. The project design should include the intended use and necessary allowances for the expected live load, concentrated load, impact load, and dead load including the weight of the finish and installation materials.

All CBU must comply with American National Standards Institute, Inc. (ANSI) “Standards for Test Methods and Specifications for Cementitious Backer Units {A118.9}”. CBU installation must comply with ANSI “Interior Installation of Cementitious Backer Units {A108.11}”.


INTERIOR WOOD FLOORS
- Refer to TDS 152 “Bonding Ceramic Tile, Stone or Brick Over Wood Floors” for additional information on wood floor construction and requirements.
- Lay out the CBU installation so the long side of each board runs perpendicular to, and is offset from, the main joints/seams in the wood substrate.
- Remove sawdust, dirt, dust and all other contaminants or bond breakers from the wood substrate.
- Over clean exterior glue plywood substrates, apply mortar or adhesive as a bond coat. Lay the CBU into the bond coat while the surface is still wet and tacky. Spread only as much bond coat as can be covered in 15–20 minutes (or as stated on product data sheet). Remove any mortar or adhesive that has “skinned over” and re-apply fresh material.
- Recommended mortars:
  LATAPOXY® 300 Adhesive;
  LATAPOXY BIOGREEN 300™;
  125 Sound & Crack Adhesive*;
  333 Flexible Additive plus 272 Mortar*;
  333 Flexible Additive plus 317 Mortar*;
  MULTIMAX™ LITE;
  LATICRETE® SELECT-BOND;
  LATICRETE SELECT-BOND with High Performance (A118.15) Kit
  LATICRETE SELECT-BOND with Rapid Kit
  LATICRETE SELECT-BOND with Non-Sag Kit
  254 Platinum;
  254R Platinum Rapid;
  257 TITANIUM™;
  TRI LITE™ *
  4-XLT*;
  4-XLT Rapid*;
  LHT™ *
  LHT PLUS;
  253 Gold*;
  253R Gold Rapid*; or
  252 Silver*
- Over clean hardwood strip or Oriented Strand Board (OSB) substrates, make a “full spread” application of construction adhesive as a bond coat. Lay the CBU into the bond coat while the surface is still wet and tacky. Spread
only as much bond coat as can be covered in 15–20 minutes. Remove any construction adhesive that has “skinned over” and re-apply fresh material.

Recommended construction adhesive: Liquid Nails® PL2000 or equivalent.

- Over all wood substrates, also fasten the CBU with 7/8” (22mm) minimum length, non-rusting, self-imbedding wood screws. Fasten boards every 6” (150mm) at the edges and every 8” (200mm) in the field.
- Tape all the board joints with the alkali resistant 2” (50mm) wide reinforcing mesh provided by the CBU manufacturer imbedded in the same mortar or epoxy adhesive used to install the ceramic tile, stone or thin brick (see below).
- To prevent water leakage through the floor, apply a LATICRETE® waterproofing membrane (e.g. HYDRO BAN®) over the CBU before installing ceramic tile, stone or thin brick (refer to Data Sheets 236.0, 663.0, 663.5, 386.2, and WPAF.5 for additional information).
- Install the ceramic tile, stone or thin brick in the following manner: Wipe CBU with a damp sponge to remove dust and to increase working/adjustability time over hot, dry surfaces. Apply the mortar or epoxy adhesive, using the flat side of the trowel to work the material into good contact with the CBU. Then comb on additional mortar or epoxy adhesive with the notched side of the trowel. Spread only as much mortar or epoxy adhesive as can be covered in 15–20 minutes. Use the correct size notched trowel and “back butter” the tiles, if necessary, to achieve the correct coverage and bedding. “Back butter” all tile larger than 8”x 8” (200mm x 200mm) in the field. Beat the tiles into the mortar or adhesive with a rubber mallet or beating block. Check your bond periodically by removing a tile and verifying the extent of coverage – ensure that tiles are fully bedded with a minimum 3/32” (2.5mm) thick continuous layer of mortar or epoxy adhesive.
- Once the tiles set firm, grout with:
  SPECTRALOCK® PRO Premium Grout;
  SPECTRALOCK PRO Premium Translucent Grout;
  SPECTRALOCK PRO Grout;
  SPECTRALOCK 1;
  PERMACOLOR® Select®;
  PERMACOLOR Grout; or,
  PERMACOLOR Select NS;
- For full installation information, refer to individual product package instructions and Data Sheets.
- Caution: use LATAPOXY 300 Adhesive or LATAPOXY BIOGREEN™ 300 to install moisture sensitive marble, resin-backed tile and stone, and agglomerates.
- Caution: to install white or light colored stone, use 272 Mortar (white) or 317 Mortar (white) (ixed with the LATICRETE Latex Additive indicated above, or, 254 Platinum (white), 254R Platinum Rapid (white), 257 TITANIUM™ (white), TRI LITE™ (white), MULTIMAX™ LITE (white), 4-XLT (white), 4-XLT Rapid (white), SELECT BOND™ (white) with or without kits, 253 Gold (white), 253R Gold Rapid (white) or 252 Silver (white).

**INTERIOR WALLS OVER WOOD FRAMING**

- Fasten the CBU with 7/8” (22mm) minimum length, non-rusting, self-imbedding screws for wood studs. Fasten the boards every 6” (150mm) at the edges and every 8” (200mm) in the field.
- Tape all the board joints with the alkali resistant 2” (50mm) wide reinforcing mesh (provided by the CBU manufacturer) imbedded in the same mortar used to install the ceramic tile, stone or thin brick (see below).
- To prevent water leakage through walls, especially in bathroom areas such as tub surrounds and showers, apply a LATICRETE waterproofing membrane over the CBU before installing ceramic tile, stone or thin brick (refer to Data Sheets 236.0, 663.0, 105.0, 386.2, 663.5, 105.5, or WPAF.5 for additional information on the specific LATICRETE waterproofing membrane specified).
- Install ceramic tile, stone or thin brick with:
  LATAPOXY 300 Adhesive;
  LATAPOXY BIOGREEN 300™;
  3701 Mortar Admix plus 272 Mortar;
  3701 Mortar Admix plus 317 Mortar;
  333 Flexible Additive plus 272 Mortar*;
  333 Flexible Additive plus 317Mortar*;
  MULTIMAX™ LITE;
  LATICRETE® SELECT-BOND™;
  LATICRETE SELECT-BOND with High Performance (A118.15) Kit;
  LATICRETE SELECT-BOND with Rapid Kit;
  LATICRETE SELECT-BOND™ with Non-Sag Kit;
254 Platinum;
254R Platinum Rapid;
257 TITANIUM™;
TRI LITE™ *
4-XLT*;
4-XLT Rapid*;
LHT™ Plus
MVIS™ Hi-Bond Veneer Mortar;
MVIS Veneer Mortar*;
MVIS Thin Brick Mortar*;
MVIS Lightweight Mortar*;
Glass Tile Adhesive;
253 Gold*;
253R Gold Rapid*;
252 Silver*; or,
15 Premium Mastic†

* Note: not for applications that are continuously submerged.
† Do not use in wet or continuously submerged areas.

- Apply the mortars or adhesives recommended above in the following manner:
  Wipe CBU with a damp sponge to remove dust and to increase working/adjustability time over hot, dry surfaces.
  Apply the mortar or adhesive, using the flat side of the trowel to work the material into good contact
  with the CBU. Then comb on additional material with the notched side of the trowel. Spread only as
  much material as can be covered in 15–20 minutes. Use the correct size notched trowel and “back butter” the tiles, if
  necessary, to achieve the correct coverage. “Back butter” all tile larger than 8” x 8” (200mm x 200mm) in facial area.
  Beat the tiles into the mortar or adhesive with a rubber mallet or beating block. Check your bond periodically by
  removing a tile and verifying the extent of coverage – ensure that tiles are fully bedded with a minimum 3/32” (2.5mm)
  thick continuous layer of mortar/epoxy adhesive or minimum 1/32” (0.8mm) thick continuous layer of organic adhesive.
  Once the tiles set firm, grout with:
  SPECTRALOCK® PRO Premium Grout Δ;
  SPECTRALOCK PRO Premium Translucent Grout;
  PERMACOLOR® Select^;
  PERMACOLOR Grout;
  PERMACOLOR Select NS;
  MVIS™ Premium Masonry Pointing Mortar;
  For full installation information, refer to individual product package instructions and Data Sheets.

- Caution: use LATAPOXY 300 Adhesive or LATAPOXY BIOGREEN™ 300 to install moisture sensitive marble,
  resin-backed tile and stone, and agglomerates.
- Caution: to install white or light colored stone, use white 272 Mortar or 317 Mortar (mixed with the LATICRETE
  Latex Additive indicated above) or white 254 Platinum, 254R Platinum Rapid, 257 TITANIUM, TRI LITE,
  MULTIMAX™ LITE, 4-XLT, 4-XLT Rapid, SELECT BOND™ (white) with or without kits, 253 Gold, 253R
  Gold Rapid or 252 Silver.
- Consult LATICRETE product data sheets for specific installation instructions.

Δ United States Patent No.: 6,881,768 (and other Patents)
^ United States Invention Patent No.: 6,784,229

Technical Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com
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