



Product Selection Guide

TDS 195

Key: E = Recommended for exterior and interior applications
 I = Recommended for interior applications only
 N = Not recommended

SUBSTRATES¹

| Category | Product | Concrete | Portland Cement Mortar Bed | Ceramic Tile ² | Masonry | Cement Backer Board |
|---|--|-----------------|----------------------------|---------------------------|----------------|---------------------|
| UNDERLAYMENTS | NXT [®] LEVEL PLUS * | I ¹² | I | I ¹³ | N | I |
| | NXT LEVEL DL * | I ¹² | I | I ¹³ | I | I |
| | NXT LEVEL * | I ¹² | I | I ¹³ | N | I |
| | NXT LEVEL FLOW | I ¹² | I | I ¹³ | N | I |
| | NXT LEVEL SP | I ¹² | N | N | N | N |
| | NXT Patch | E | E | E ⁹ | I | I |
| | NXT Skim | I | I | I | I | I |
| SOUND CONTROL | 170.3 Sound & Crack Isolation Mat * | I | I | I | I | I |
| | 170.5 Sound & Crack Isolation Mat * | I | I | I | I | I |
| ANTI-FRACTURE MEMBRANE | FRACTURE BAN [™] | E | E | E** | E | E |
| WATERPROOFING MEMBRANES | HYDRO BAN [®] | E | E | E** | E | E |
| | 9235 Waterproofing Membrane | E | E | E** | E | E |
| | HYDRO BAN Quick Cure Waterproofing Membrane | E | E | E** | E | E |
| | HYDRO BAN Cementitious Waterproofing Membrane | E | E | E** | E | E |
| | HYDRO BARRIER [™] | E | E | E** | E | E |
| | LATAPOXY [®] Waterproof Flashing Mortar | E | E | ^^ | E | E |
| | HYDRO BAN Sheet Membrane | I | I | I** | I | I |
| UNCOUPLING MEMBRANE | STRATA MAT [™] and STRATA MAT XT | E | E | N | N | I |
| VAPOR REDUCTION | NXT Vapor Reduction Coating | I | N | N | N | N |
| | VAPOR BAN [™] Primer ER | I | N | N | N | N |
| EPOXY ADHESIVES | LATAPOXY 300 Adhesive | E [^] | E [^] | E [^] | E [^] | E [^] |
| | LATAPOXY BIOGREEN [™] 300 Adhesive | E | E | E | E | E |
| SPOT BOND ADHESIVES | LATAPOXY 310 Stone Adhesive | E [†] | N | I | E [†] | I |
| | LATAPOXY 310 Rapid Stone Adhesive | E [†] | N | I | E [†] | I |
| LATEX THICK-BED | 3701 Fortified Mortar | E | E | E | E | E |
| | 3701 Lite Mortar | E | E | E | E | E |
| | 3701 Lite Mortar R | E | E | E | E | E |
| | 3701 Mortar Admix w/226 Thick-Bed Mortar | E | E | E | E | E |
| SOUND CONTROL/CRACK SUPPRESSION MORTAR | 125 TRI MAX [®] * | I | I | I | I | I |
| LARGE AND HEAVY TILE MORTAR | MULTIMAX [™] LITE | E | E | E | E | E |
| | 4-XLT & 4-XLT Rapid | E | E | E | E | E |
| | TRI-LITE [™] | E | E | E | E | E |
| | LHT [™] ® | E | E | E | E | E |
| | LHT PLUS | E | E | E | E | E |
| LATEX THIN-BED | 3701 Mortar Admix | E | E | E | E | E |
| | mixed with 272 Mortar or 317 Mortar | | | | | |
| FLEXIBLE | 333 Super Flexible Additive | E ⁶ | E ⁶ | E ⁶ | E ⁶ | E ⁶ |
| LATEX THIN-BED | mixed with 272 Mortar or 317 Mortar | | | | | |
| MULTIPURPOSE | 254 Platinum | E | E | E | E | E |
| THIN-SET | 257 TITANIUM [™] | E | E | E | E | E |
| MORTARS | TRI-LITE | E | E | E | E | E |
| | 253 Gold | I | I | I | I | I |
| | 254R Platinum Rapid | E | E | E | E | E |
| | 253R Gold Rapid | E | E | E | E | E |
| | 252 Silver | E | E | I | E | I |
| | | | | | | |
| GLASS TILE INSTALLATION MORTAR | GLASS TILE ADHESIVE LITE | E | E | E | E | E |
| THIN-SET MORTAR | 272 Mortar | E ⁴ | E ⁴ | I ¹⁰ | E ⁴ | E ¹⁰ |
| | 317 Mortar | E ⁴ | E ⁴ | I ¹⁰ | E ⁴ | E ¹⁰ |
| ADHESIVES | 15 Premium Mastic | I | I | N | I | I |
| MASONRY VENEER INSTALLATION | MVIS [™] Hi-Bond Veneer Mortar | E | E | E | E | E |
| | MVIS Hi-Bond Veneer Mortar Rapid | E | E | E | E | E |
| | MVIS LIGHTWEIGHT Mortar | E | E | E | E | E |
| | MVIS Veneer Mortar | E | E | N | E | E |
| | MVIS Thin Brick Mortar | E | E | E | E | E |

| Category | Product | Cement Terrazzo ² | Exterior Gibe Plywood ³ | Resilient Flooring ² | Gypsum Wallboard | Hi-Pressure Laminate | Steel | Data Sheet # |
|---|---|---------------------------------|---------------------------------------|------------------------------------|---------------------|-------------------------|----------------|---------------|
| UNDERLAYMENTS | NXT® LEVEL PLUS * | I ¹² | I | I ¹² | N | N | N | 505.0 |
| | NXT LEVEL DL * | I ¹² | I ¹¹ | I ¹² | N | N | N | 029.2 |
| | NXT LEVEL * | I ¹² | I ¹¹ | I ¹² | N | N | N | 504.0 |
| | NXT LEVEL FLOW * | I ¹² | I ¹¹ | I ¹² | N | N | N | 36623.0 |
| | NXT LEVEL SP * | N | N | N | N | N | N | 35069.0 |
| | NXT Patch | E ⁹ | I | I | N | N | N | 501.0 |
| | NXT Skim | I | I | I ¹⁵ | N | N | N | 506.0 |
| SOUND CONTROL | 170.3 Sound & Crack Isolation Mat * | I | I | N | N | N | N | 170.0 |
| | 170.5 Sound & Crack Isolation Mat * | I | I | N | N | N | N | 35615.0 |
| ANTI-FRACTURE | FRACTURE BAN™ | E | I | N | N | N | N | 195.0 |
| WATERPROOFING MEMBRANES | HYDRO BAN® | E** | I | N | I | N | N | 663.0 |
| | 9235 Waterproofing Membrane | E** | I | N | I | N | N | 236.0 |
| | HYDRO BAN Quick Cure Waterproofing Membrane | E** | I | N | I | N | N | 670.4 |
| | HYDRO BAN Cementitious Waterproofing Membrane | E** | I | N | I | N | N | 386.2 |
| | HYDRO BARRIER™ | E** | I | N | I | N | N | 105.0 |
| | LATAPOXY® Waterproof Flashing Mortar | ^^ | ^^ | ^^ | ^^ | ^^ | ^^ | 682.0 |
| | HYDRO BAN Sheet Membrane | I | I | N | I | N | N | 041.0 |
| UNCOUPLING MEMBRANE | STRATA_MAT™ and STRATA_MAT XT | I | I ¹⁴ | I | N | N | N | 026.0 |
| VAPOR REDUCTION MEMBRANE | NXT Vapor Reduction Coating | N | N | N | N | N | N | 507.0 |
| | VAPOR BAN™ Primer ER | N | N | N | N | N | N | 35222.0 |
| EPOXY ADHESIVES | LATAPOXY 300 Adhesive | E | I | I | I | I | E | 633.0 |
| | LATAPOXY BIOGREEN™ 300 Adhesive | E | I | I | I | I | E | 023.0 |
| SPOT BOND ADHESIVES | LATAPOXY 310 Stone Adhesive & LATAPOXY 310 Rapid Stone Adhesive | N | I | N | N | N | I [†] | 679.0 & 679.3 |
| LATEX THICK-BED | 3701 Fortified Mortar | E | I ⁵ | I ⁵ | I ⁵ | I ⁵ | I ⁵ | 100.0 |
| | 3701 Lite Mortar | E | I ⁵ | I ⁵ | I ⁵ | I ⁵ | I ⁵ | 36590.0 |
| | 3701 Lite Mortar R | E | I ⁵ | I ⁵ | I ⁵ | I ⁵ | I ⁵ | 36603.0 |
| | 3701 Mortar Admix w/226 Thick-Bed Mortar | E | I ⁵ | I ⁵ | I ⁵ | I ⁵ | I ⁵ | 231.0 |
| SOUND CONTROL/CRACK SUPPRESSION MORTAR | 125 TRI MAX® * | I | I | N | N | N | N | 204.0 |
| LARGE & HEAVY TILE MORTAR | MULTIMAX™ LITE | E | I | N | I | I | N | 328.0 |
| | 4-XLT & 4-XLT Rapid | N | I | N | I | N | N | 080.0 & 081.0 |
| | TRI-LITE™ | E | I | N | I | N | N | 320.0 |
| | LHT™® | E | I | I | N | N | N | 180.0 |
| | LHT PLUS | E | I | I | N | N | N | 109.0 |
| LATEX THIN-BED | 3701 Mortar Admix | E | N | N | I | N | N | 231.0 |
| | mixed with 272 Mortar or 317 Mortar | | | | | | | 259.0, 317.0 |
| FLEXIBLE | 333 Flexible Additive | E ⁶ | I | I | I | I | N | 266.0 |
| LATEX THIN-BED | mixed with 272 Mortar or 317 Mortar | | | | | | | 259.0, 317.0 |
| MULTIPURPOSE | 254 Platinum | E | I | I | I | I | N | 677.0 |
| THIN-SET | 257 TITANIUM™ | E | I | N | I | N | N | 292.0 |
| MORTARS | TRI-LITE™ | E | I | N | I | N | N | 320.0 |
| | 253 Gold | E | I | I | I | I | N | 296.0 |
| | 254R Platinum Rapid | E | I | I | I | I | N | 729.0 |
| | 253R Gold Rapid | E | I | I | I | I | N | 296.3 |
| | 252 Silver | I | I | N | I | N | N | 676.0 |
| | GLASS TILE INSTALLATION MORTAR | GLASS TILE ADHESIVE LITE | E | I | N | I | N | N |
| THIN-SET MORTAR | 272 Mortar | I ¹⁰ | I ⁸ | I ⁸ | I | I ⁸ | N | 259.0 |
| | 317 Mortar | I ¹⁰ | I ⁸ | I ⁸ | I | I ⁸ | N | 317.0 |
| ADHESIVES | 15 Premium Mastic | N | I | N | I | N | N | 286.0 |
| MASONRY VENEER INSTALLATION SYSTEM | MVIS™ Hi-Bond Veneer Mortar | E | I | N | I | N | N | 246.0 |
| | MVIS Hi-Bond Veneer Mortar Rapid | E | I | N | N | N | N | 247.0 |
| | MVIS LIGHTWEIGHT Mortar | N | I | N | N | N | N | 060.1 |
| | MVIS Veneer Mortar | N | N | N | N | N | N | 060.0 |
| | MVIS Thin Brick Mortar | N | I | N | N | N | N | 248.0 |

¹ Structurally sound, clean, free of dust, laitance, dirt, oil, grease, wax, sealers and curing compounds; floor systems 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; concrete must be 28 days old w/ 7 day damp cure unless using 3701 Latex Thin-Set Mortars or 254 Platinum..

- ² For existing resilient flooring, ceramic tile, terrazzo, and non-water soluble cutback adhesive – see LATICRETE Technical Data Sheet 135 – Ceramic & Stone Tile Over Existing Flooring
- ³ For proper plywood floor construction – see LATICRETE TDS 152 – Bonding Ceramic Tile, Stone or Brick Over Wood Floors
- ⁴ Exterior use requires gauging with 333 Flexible Additive (residential and light commercial installations that are not continuously submerged)- see data sheet 266.0 or 3701 Mortar Admix
– see data sheet 231.0
- ⁵ Use as an unbonded, wire-reinforced mortar bed or installed over diamond metal lath which has been mechanically fastened to the substrate for horizontal applications; or, as a scratch coat and brown coat over diamond metal lath which has been mechanically fastened into the studs, over cleavage membrane for vertical installations
- ⁶ Exterior use limited to residential and light commercial installations that are not continuously submerged
- ⁷ Requires gauging with 3701 Mortar Admix – see data sheet 231.0
- ⁸ Requires gauging with 333 Flexible Additive – see data sheet 266.0
- ⁹ Requires surface to be abraded with a carborundum disk and cleaned thoroughly prior to application
- ¹⁰ Requires gauging with a LATICRETE® Latex Additive (see recommended combinations above) for all applications
- ¹¹ Prime floor with NXT® PRIMER prior to mechanically fastening 3.2# diamond metal lath over entire substrate – see TDS 230N
- ¹² All non-suction substrates may require bead blasting or mechanical abrasion to ensure curing compounds, sealers or other potential bond breakers are removed – see TDS 230N for guidelines and surface preparation requirements
- ¹³ Refer to TDS 230N for preparation and installation guidelines
- ¹⁴ OSB is also a suitable substrate for STRATA_MAT™ - refer to DS 026.0
- ¹⁵ Requires mixing with NXT Embossing Admix
- * Horizontal use only. 170 Sound & Crack Isolation Mat can be turned up the wall (max. of 3” [75 mm]) in place of the perimeter isolation strip
- ** Skim coat existing ceramic tile, stone or portland cement terrazzo with a latex thin-bed mortar first
- ^ Do not use on exterior facades or building envelopes
- ^^ Consult LATICRETE Technical Services for these substrates
- † Consult LATICRETE Technical Services Dept. for exterior applications
- @ Floors only (Interior and exterior)

Technical Data Sheets are subject to change without notice. For latest revision, check our website at <https://laticrete.com>
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LATICRETE International, Inc.
One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • www.laticrete.com
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