A recent trend in the Ceramic Tile industry is the use of plastic or other composite uncoupling membranes. The use of an uncoupling membrane (e.g. STRATA_MAT™ or STRATA_MAT XT) gives the installer ease of mind that their tile installation will be able to move independently from the substrate below. STRATA_MAT and STRATA_MAT XT have a grid side and a fabric side and can easily be cut using a simple box knife or scissors.

Prior to the installation of STRATA_MAT or STRATA_MAT XT, make sure the substrate meets deflection requirements for ceramic tile and stone. For general information regarding deflection, please refer to TDS 123 “Deflection”, and for deflection requirements of wood substrates please refer to TDS 152 “Bonding Ceramic Tile, Stone or Brick Over Wood Floors”.

For installations of STRATAMAT or STRATA_MAT XT use the following material options for setting the STRATA_MAT and for setting tiles on top of the uncoupling membrane.

**To adhere the uncoupling membrane to the properly prepared substrate, LATICRETE recommends;**

254 Platinum (DS 677.0), 257 TITANIUM™ (DS 292.0), MULTIMAX™ LITE (DS 328.0), 254 Platinum Rapid (DS 729.0), 253 Gold (DS 296.0), or 253R Gold Rapid (DS 296.3).

**To bond all ceramic tile or stone, including porcelain tile, to the uncoupling membrane, LATICRETE recommends;**

254 Platinum (DS 677.0), 257 TITANIUM™ (DS 292.0), MULTIMAX™ LITE (DS 328.0), 254 Platinum Rapid (DS 729.0), 253 Gold (DS 296.0), or 253R Gold Rapid (DS 296.3).

LATICRETE does not recommend using ANSI A118.1 dry set mortars mixed only with water for bonding porcelain tile in any application and the unique configuration of STRATA_MAT and STRATA_MAT XT allow for the use of polymer fortified thin-sets to install porcelain tile. As noted in the TCNA Handbook for Ceramic, Glass and Stone Tile Installation, “…latex/polymer modified portland cement mortar is required for the installation of porcelain tile.”1 Please note that an ANSI A118.1 compliant dry-set mortar can be used in conjunction with clay bodied ceramic tile.

Please refer to STRATA_MAT (DS 026.0) or STRATA_MAT XT (DS 028.0) for warranty information and specific installation guidelines.

The use of other manufacturer’s thin-sets, grouts, membranes, or other products will affect the warranty, as will the use of a competitor’s uncoupling membrane used in conjunction with LATICRETE® installation materials. LATICRETE can only provide a one-year product only warranty for the LATICRETE materials used with competitive products. Warranty information can be found online at [https://laticrete.com](https://laticrete.com).


Technical Data Sheets are subject to change without notice. For latest revision, check our website at [https://laticrete.com](https://laticrete.com)

TDS 147.doc

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