



Globally Proven  
Construction Solutions

# LATAPOXY® 310 Stone Adhesive for Exterior Installations

## TDS-1158

LATAPOXY® 310 Stone Adhesive and LATAPOXY 310 Rapid Stone Adhesive are two-component, high strength construction epoxy adhesives for spot bonding large format tile and stone on vertical surfaces. LATAPOXY 310 Stone Adhesive and LATAPOXY 310 Rapid Stone Adhesive replace traditional mechanical anchoring, plaster and wire, and thin-set methods of veneer installations. Using LATAPOXY 310 Stone Adhesive and LATAPOXY 310 Rapid Stone Adhesive eliminate drilling, cutting of kerfs or setting of pins. LATAPOXY 310 Stone Adhesive and LATAPOXY 310 Rapid Stone Adhesive allows for quick and easy plumb adjustment while the stone is in place to compensate for uneven walls and thickness variations in the stone.

The LATAPOXY 310 Cordless Mixer is designed to make the installation of LATAPOXY 310 Stone Adhesive cleaner and easier. The LATAPOXY 310 Cordless Mixer is a dual component cordless mixer that quickly and easily dispenses LATAPOXY 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive, packed in cartridges, onto ceramic tile and stone for veneer installations.

Before using LATAPOXY 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive on an exterior application, please first consult LATICRETE Technical Services; Telephone 1800 331 012 or email [technicalservice@laticrete.com.au](mailto:technicalservice@laticrete.com.au) for approval prior to use.

For exterior applications outside of Australia, consult the LATICRETE International department on +1 800.243.4788x242.

The following are general application requirements for using LATAPOXY 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive for exterior installations as designated by International Code Council (ICC).

Always check with local building code prior to the application of veneer in an exterior application for compliance to local restrictions and codes.

Tile or stone maximum thickness shall be not greater than 50 mm thick, or more than 465m<sup>2</sup> in facial dimension\* unless approved by an engineer or qualified design professional.

Tile or stone weight shall be no greater than 73 kg/m<sup>2</sup> unless approved by an engineer or qualified design professional.

### SUITABLE SUBSTRATES:

Concrete (poured, pre-cast, tilt-up)

- Concrete must be 15 cm thick and steel reinforced;
- Concrete must be minimum 24 MPa compressive strength;
- Concrete must be 28 days old prior to the installation

Concrete Masonry Units – double wythe walls only with a minimum 50 mm air gap.

### SUBSTRATE AND TILE PREPARATION:

Surface temperature for application: 10°C to 35°C.

Evaluate the wall prior to installing the veneer. Check for any areas that are severely out of plumb. Drop a line from the top and identify any high points or depressed areas. Make sure the veneer can be installed to its intended height without significant deviation in substrate plane.

Surfaces must be structurally sound, stable and rigid enough to support ceramic tile or stone. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for ceramic tile installations or L/480 for stone installations.

All surfaces must be sound, clean, and free of oil, waxes, frost, curing agents or contamination. Surfaces treated with form release agents or other bond inhibiting contaminants must be mechanically scarified. Concrete surfaces may be damp, not wet, when application is made.

Slate and other fissile stone may delaminate due to the nature of their layered composition. Always check with the tile or stone factory to make sure the tile or stone is suitable for wall installations. Manufacturers of such stone must provide written approval to the installer that the stone is suitable for their application.

Clean and grind back of stone at areas to receive LATAPOXY 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive using a mechanical wheel grinder with a diamond wheel/blade. Remove dust with a stiff brush, wipe entire surface. Using a damp sponge (not wet), wipe the tile or stone to remove any particles or remaining dust to ensure a clean direct bond and that all ground material is removed. Allow to air dry or wipe dry with a clean cloth, then apply LATAPOXY 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive.

Do not apply LATAPOXY 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive onto tile or stone covered with any type of mesh or resin backing. Completely grind resin off of the areas to receive adhesive before application.

Application of LATAPOXY® 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive:

Apply dabs evenly distributed on back of the stone or tile; 5 dabs minimum, one near each corner and one in the centre. Cover at least 10% of the area of each piece (compressed dab). Finished dab thickness must be a minimum of 3 mm and a maximum of 25 mm thick.

Approximate dab diameter required to achieve 10% coverage with 5 dabs:

| Tile / Stone  | Size Daub diameter |
|---------------|--------------------|
| 300mm X 300mm | 50mm each daub     |
| 600mm X 600mm | 100mm each daub    |
| 900mm X 900mm | 150mm each daub    |

To check proper coverage, pull off the first stone installed to measure the diameter of each daub. Adjust the quantity of LATAPOXY 310 Stone Adhesive or LATAPOXY 310 Rapid Stone Adhesive to achieve the appropriate coverage.