



Epoxy Membrane Troubleshooting Guide

TDS 202

Complaint	Cause(s)	Prevention
Leaking	<ol style="list-style-type: none"> 1. Improper application of product 2. Pin hole or voids in membranes 3. Rough texture surface 4. Movement joints not treated correctly or excessive movement in substrate. 	<ol style="list-style-type: none"> 1. Follow installation instructions outlined in LATAPOXY® Waterproof Flashing Mortar data sheet (070.0). Use the correct membrane for application. 2. Be sure to apply product liberally over entire surface area and in all coves and corners. Apply directly to pipe penetration, extending 3” (75mm) above point of installation. Sealant may be required at adjoining surfaces. 3. Substrate should be smooth and free of dust, dirt, oil, grease, loose paint, laitance, efflorescence, curing compounds, sealers, water repellents and other materials that prevent bond. Mechanically scarify the concrete surface to remove any contaminates. 4. Do not bridge expansion joints, structural cracks, or cracks with vertical differential movement. Ensure that substrate is structurally stable.
Waterproofing membrane does not adhere to substrate	<ol style="list-style-type: none"> 1. Substrate surface not cleaned 2. High moisture vapor emission rate or Negative Hydrostatic Pressure 	<ol style="list-style-type: none"> 1. Substrate should be smooth and free of dust, dirt, oil, grease, loose paint, laitance, efflorescence, curing compounds, sealers, water repellents and other materials that prevent bond. Mechanically scarify the concrete surface to remove any contaminates. 2. Prior to installation have a calcium chloride test conducted to see how much vapor is being emitting from substrate. Allow membrane to cure properly. If using a waterproofing membrane allow the correct cure time prior to conducting a flood test. Follow installation instructions outlined in LATAPOXY Waterproof Flashing Mortar data sheet (070.0) for areas that may exhibit high vapor emissions.
Tiles do not adhere to waterproofing membrane	<ol style="list-style-type: none"> 1. Membrane has not dried thoroughly 2. Wrong adhesive being used 3. Membrane surface not cleaned 	<ol style="list-style-type: none"> 1. Allow membrane to dry thoroughly prior to adhering installation finish. 2. Use a LATICRETE® Latex Fortified Thin-Set Mortar or LATAPOXY 300 Adhesive to install finishes. 3. Membrane should be clean and free of dust, dirt, oil, grease, and other materials that prevent bond.
Rips, pinholes, or tearing of membrane	<ol style="list-style-type: none"> 1. Surface not properly prepared 2. Open to installation traffic before membrane had time to cure. 3. Not enough material applied 4. Movement joints not treated correctly or excessive movement in substrate. 	<ol style="list-style-type: none"> 1. Substrate should be smooth and free of dust, dirt, oil, grease, loose paint, laitance, efflorescence, curing compounds, sealers, water repellents and other materials that prevent bond. Follow installation instructions outlined in LATAPOXY Waterproof Flashing Mortar data sheet (070.0). 2. Once membrane has dried thoroughly, ceramic tile, stone or brick may be installed by the thin bed method with a LATICRETE Latex Thin-Set Mortar or LATAPOXY 300 Adhesive. Allow membrane to fully cure before covering with concrete, thick bed mortar, screeds, toppings, coatings, epoxy adhesives, terrazzo or moisture sensitive finishes, resilient or wood flooring or before conducting a

		<p>flood test.</p> <ol style="list-style-type: none"> 3. Be sure to apply product liberally over entire surface area and in all coves and corners. Apply directly to pipe penetration, extending 3" (75mm) above point of installation. Sealant may be required at adjoining surfaces. 4. Do not bridge expansion joints, structural cracks, or cracks with vertical differential movement. Ensure that substrate is structurally stable.
Blistering	<ol style="list-style-type: none"> 1. High moisture vapor emission rate or Negative Hydrostatic Pressure 2. Not enough material applied 	<ol style="list-style-type: none"> 1. Prior to installation, have a calcium chloride test conducted to see how much vapor is being emitting from substrate. Allow membrane to cure properly. If using a waterproofing membrane allow the correct cure time prior to conducting a flood test. Follow installation instructions outlined in LATAPOXY® Waterproof Flashing Mortar data sheet (070.0) for areas that may exhibit high vapor emissions. 2. Be sure to apply product liberally over entire surface area and in all coves and corners. Apply directly to pipe penetration, extending 3" (75mm) above point of installation. Sealant may be required at adjoining surfaces.

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