

# Terraced House, Highgate Hill, Brisbane

## Treating extensive flood damage

This terraced house suffered from substantial leaking during very heavy rain. Newton System 500 was specified because remediation of the externally applied membrane would require substantial excavation, which was simply not possible.



CASE STUDY - REMEDIAL WATERPROOFING

Data File	Project Description	Methodology & Result
<p><b>Overview</b></p> <p>.....</p> <p><i>Property Type</i> Residential</p> <p><i>Project Type</i> Remedial</p> <p><i>Scope</i> Full remove and replace</p> <p><b>Products used</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>• Newton System 500</li> <li>• Newton Baseboard</li> </ul> <p><b>Key project factors</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>• Terraced property</li> <li>• Sloping ground level</li> <li>• Historic leaking during heavy rainfall</li> </ul> <p><b>Contractor</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>• Wetlock Waterproofing</li> </ul> <p><b>Distributor</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>• Bayset Pty Ltd</li> </ul>	<p>The home is built on a terraced block, sloping from ground level at the front, down to the lower level at the rear, with the downstairs level dedicated to short-term accommodation for international students.</p> <p>The lower level of the property experienced substantial leaking during very heavy rain events, and was reported that in some instances the leaking was enough to cause a solid stream of water that flowed down the hallway and out the back door!</p> <p>Newton 500 was specified because remediation of the externally applied membrane would require substantial excavation, which was simply not practical. On top of this, the internal walls required repair from water damage anyway, and this could be addressed with the installation of the System 500.</p>	<p>The affected walls were lined with Newton 503, Newton Baseboard drainage system installed at the wall floor junctions (plumbed directly to the existing stormwater system) over an epoxy coating applied in multiple coats to resist any wicking or capillary action through the concrete. The walls were then framed with an independent timber stud frame including forming new timber window sills and wardrobe frames, and the walls were lined with plaster sheet. A new kitchen was also installed. The client arranged all repainting with their own contractor.</p> <p>Newton Baseboard was selected because upon inspection it was found that the existing slab was insufficient thickness to allow the Basedrain to be rebated into the floor.</p> <p>All works were completed in in under 10 days with minimal disruption to the other tenants, maximising rental returns.</p>