



Denso Hi-Tack Paste is first applied to the tie rod to displace moisture and prevent rusting.



Densyl Mastic is used to seal the cavities to prevent water infiltration.



A tie rod fully protected with the Denso Petrolatum Tape System to prevent rusting.

### Project Data

<b>Location</b>	Hamilton, Ontario Canada
<b>Est. Completion</b>	2019
<b>Project Type</b>	Site Remediation & Redevelopment
<b>Products Used</b>	Densyl Mastic, Hi-Tack Paste, Hi-Tack Tape

### Project Details

The City of Hamilton undertook the process of environmental remediation and redevelopment of a section of Hamilton Harbour. In doing so, two piers were designed for construction. The piers are comprised of thick sheet piling with 2" tie rods and wale bolts to secure the structure in place. Such installations face numerous threats including corrosion, weather related expansion and contraction and consequential leaks through tie rod holes which can threaten the integrity of the structure.

To remedy the immediate problem of uncontrolled water leakage during the construction phase, the failing caulking and foam was removed and the cavities were filled with Densyl Mastic. It is the perfect choice because of its density and ability to seal over a wide range of temperature fluctuations. In addition to Densyl Mastic, Hi-Tack Primer was applied to the rods and the vertical surface of the sheet pile. After a short wait, the Denso Hi-Tack Tape was applied with a 50% overlap going from horizontal coverage of the tie rod, over the Densyl Mastic and onto the vertical surface all around the interface. This will prevent water egress and corrosion beyond the 50 year life expectancy of the project.

### Benefits

- Densyl Mastic is contoured to fill irregular spaces and cover sharp edges
- Densyl Mastic is dense and seals extremely well
- Hi-Tack Primer and Tape allow for long term adhesion in challenging environments

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