



Project Data

Location	Thorold, Niagara Region, Canada
Completion	2017
Project Type	Prevent Ground Water Infiltration
Products Used	Denso Hi-Tack Primer / Denso Hi-Tack Petrolatum Tape
Contractor or Applied By	Nielsen Tran Mechanical Contractors

Project Details

Water infiltration into valve chambers, sanitary systems and even catch basins causes a litany of issues. Commonly referred to as I&I (Inflow and Infiltration), it results in erosion of concrete structures, loss of road material and subsequent pot holes, ground water being treated at pollution control plants and, as was the concern in this case, premature failure of appurtenances due to hastened corrosion.

When installing a 9' x 11' valve chamber in Thorold, Ontario, Niagara Region turned to Denso for a permanent and proven water proofing solution. Traditionally used only on concrete joints to prevent infiltration, Denso Petrolatum Tape was called to be used on the entirety of the structure due to the high water table.

After brief training by Denso representatives, the contractor applied a thin uniform coating of Denso Hi-Tack Primer before wrapping the entire exterior of the chamber horizontally with 12" Denso Hi-Tack Tape. The tape remains flexible and so will continue to prevent water infiltration even in the event that the concrete cracks. Additionally, as there is no curing or drying required, the structure was backfilled immediately.

On smaller structures, Denso LT Petrolatum Tape is commonly used to prevent infiltration, heaving and potholes on both sanitary chambers and catch basins. For more information or demonstration contact Denso North America.

Benefits

- Minimal Surface Preparation
- Applied in any climate and weather conditions
- No curing or drying – back filled immediately
- Helps prevent ice related heaving of risers & frames
- Stays flexible and water tight even if concrete fails
- 10+ years proven performance with excellent success



Chamber being set on pre-laid Hi-Tack Tape strips for waterproofing of the base.



Denso Hi-Tack Paste and Tape is applied from the bottom up.



Hi-Tack Paste and Tape applied to the entirety of the structure to prevent water ingress and infiltration.