



Valves and fittings are cleaned by hand tool cleaning.



Denso Profiling Mastic is applied to provide a smooth profile.



Over 100 valves and fittings were protected with the Denso Petrolatum Tape System.

Project Data

Location	Cheyenne, WY
Completed	1994
Project Type	Vault Pipeline Rehabilitation
Products / Systems Used	Denso Paste, Denso Profiling Mastic and Densyl Tape

Project Details

One of the nation's largest engineering firms, CH²M Hill, was hired by the City of Cheyenne, WY to write specifications for rehabilitating a forty mile stretch of 26" diameter steel water pipeline. The pipeline was built in the 1960s to supply water to Cheyenne from pristine highland lakes in the Rocy Mountains. This ingenious system is completely gravity fed and incorporates a series of air release and blow off valves.

Complications arose in specifying the coating of the valves and fittings which were situated in concrete vaults. The vaults are located on hill tops and valleys in remote Southern Wyoming and many of the valves were partially submerged or underwater.

Therefore, a coating system tolerant to wet conditions and minimal surface preparation was needed. Denso North America Inc. was contacted to give a coating demonstration using our system, consisting of Denso Paste, Denso Profiling Mastic and Densyl Tape. The engineers were impressed by the minimal surface preparation (hand tool cleaning) and the ability of the product to conform to the irregular surfaces, especially on partially submerged valves. The engineers and owners were satisfied that money could be saved in time and equipment using this system.

CH²M Hill specified the system and awarded the project to High Plains Construction of Wyoming. The contractor has successfully applied the Denso Petrolatum Tape System to over 100 valves and fittings.

Benefits

- Excellent molding and sealing properties
- Will adhere to metal, PVC, polyethylene and concrete
- Not effected by water, acid, salts or soil organics
- Meets AWWA C217 Standard
- No VOCs
- Over an 80 year history of proven applications

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