

## PVC-Lined Piping System for Hydrometallurgical (1972): Still in Operation!!

**Client:** Confidential  
**Facility:** Hydrometallurgical plant  
**Location:** Montreal, QC

**Description:** 500m of 12" Ø PVC/FRP piping system  
**Chemical:** Electrolyte (Sulfuric acid @ 10-12%)  
**Application:** Transfer lines from cooling equipment to process tanks

**Year:** 1972  
**Manufacturer:** Plasticon Canada (formerly AC Plastiques Canada)



### Dual Laminate Piping System

The PVC-lined piping system built has been in operation for over 43 years. This was the first time PVC/FRP pipes were used at this hydrometallurgical plant. Since then, the dual laminate piping system has been exposed to harsh operating conditions and a corrosive environment. The project was so successful that in 1989, 17 years later, more 12" Ø pipes were purchased.

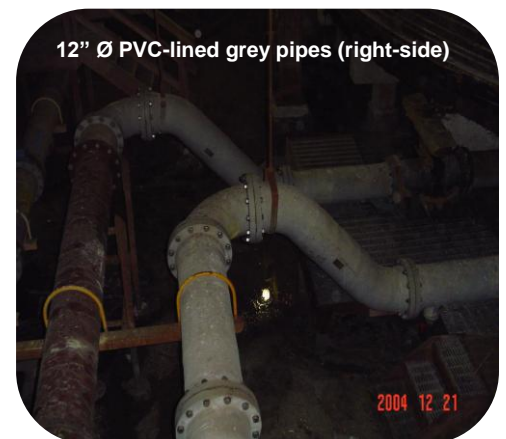
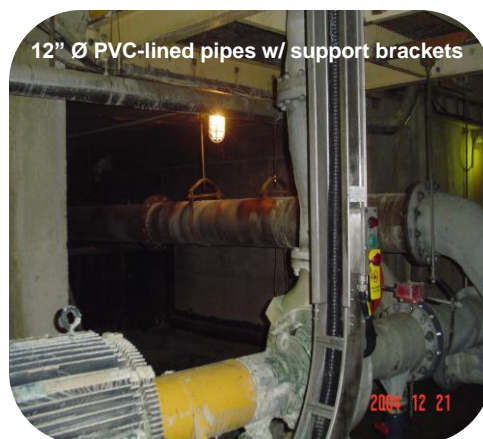
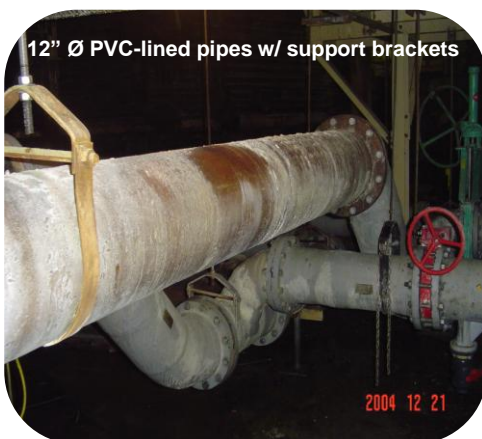
The PVC-lined pipes are still in operation as of 2015. Dual laminate is perfect for handling corrosive products and chemicals. It offers a longer service life, corrosion resistance and greater cost savings than most metallic options. Contact us now for a custom quote.

### General Specifications

- **Design pressure:** 150 psi
- **Main pipe size:** 12" Ø dual laminate pipes and fittings
- **Medium:** Electrolyte (Sulfuric acid @ 10-12%)
- **Material:** Dual Laminate (PVC/FRP), Derakane™ 411
- **Temperature:** 130°F

### Piping Equipment

- 500m of 12" Ø dual laminate (PVC/FRP) pipes
- Pipes fittings, flanges, and pipe supports



**Images:** Pictures were taken during a general inspection at our client's plant in 2004. All pipes are still in function today (2015).