

## Iron Elbow 90° and T-shape fittings with internal Polytec<sup>®</sup> wear-resistant coating

### Technical Specs

- Specific Fitting Shape **90° Elbow and T shape fittings**
- Finish **Painted**
- For Pipe Schedule **40/80**
- Fitting Sides **Grooved**
- Standards **ANSI B31.1, ANSI B31.9, NFPA 13**
- Pipe Fitting Material **Ductile Iron**
- Fitting Size **Ø 3in/4in/5in and more upon requests**
- **Application** Abrasive slurry transport, concrete, liquid, etc
- **Pipes in other shapes and sizes available upon request**



### Advantages:

- The wear resistant Polytec<sup>®</sup> coating ensures an extended longevity in harsh environment, reduces downtime, and maintenance schedule.
- The customized coating is stable over time (can be stored for years without degrading) and factory sprayed ensuring a perfect bond with the surface and geometry of the pipe.
- 50% lighter than heavy walls.
- Low friction non stick Polytec improves discharge and minimizes risk of blockage.



**The Challenge:** Backfill tees and elbows are frequently failing when backfilling underground stopes creating a safety hazards and large spills . Clean up and changing of the failed elbows and tees is costly in man hours and downtime ,resulting in lost of production.

**Our Solution:** After reviewing backfill properties and flow-rates, Installation of Polytec coated tees and elbows at a shore rate of 80 was recommended.

**Improvement:** no reported failures of Polytec tees and elbows after one year in service.



Attached is a picture of two of our failed backfill "T"s. These components generally last two weeks to a month. We installed a Polytec "T" in one of our high wear areas last year and it is still in service. We are in the process of replacing all current "T"s in service with Polytec "T"s. We expect to see improvements in system reliability not to mention safety considerations.

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