



Installation of Pexgol pipe for the transport of abrasive tailings.

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**Pirquitas Mine**  
Argentina | 2015  
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**Working Conditions:**

Temperature: ambient  
Pressure: 3 bar

**Pexgol Pipe:**

Pexgol 180 mm (6"), class 15

**Application:**

Slurry transportation

**Length:**

2m

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**The Challenge**

Pirquitas Mine, located in the north of the Argentine territory, required the transportation of abrasive slurry composed of quartz, iron, tin, zinc and lead minerals in a 2 meter section. The old rubber coated steel pipe that was intended for that line had failed due to excess of abrasion.

The use of coated steel or plastic pipe was evaluated.

**Pexgol Solution**

The client finally decided to install a Pexgol pipe due to its low roughness index and strength against the abrasion presented by the fluid to be transported.

Pexgol is currently has been working 6 times more than the rubber lined steel pipe would have been. Both options were similar in cost.

For the installation, no special tools were needed as the joints were flanged. Only two joins were made.



## Installation of Pexgol pipe for the transport of abrasive tailings.

### Advantages

- **High resistance to wear:**  
Pexgol is the preferred solution for abrasive materials transportation. Typically resists three times more than HDPE and twice more than steel.
- **Excellent chemical and corrosion resistance:**  
Pexgol pipes can resist a wide range of chemical agents, slurries, toxic and radioactive materials.
- **High temperature resistance:**  
Working temperatures can range from -50°C/-58°F up to 110°C/230°F.
- **Superb internal and external corrosion resistance:**  
Our pipes are proven to withstand decades of exposure to corrosive environments, with nonstop performance in some of the world's harshest environments.
- **Long pipe sections:**  
Pexgol pipes can be supplied in long coil lengths, reducing number of joints, installation time and risks.
- **Creep and impact resistance:**  
Crosslinked Pexgol pipes can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Furthermore, Pexgol pipes are completely resistant to cracks even when dragged over sharp rocky terrain and coagulated salt crystals.

