



Work with high pressures and extreme ambient temperature

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Zaldivar SPA Mine
Chile | 2018
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Working Conditions:

Pressure: 24 & 30 bar
Ambient temperature: 5° to 28°C / 41° to 82°F

Pexgol Pipes:

Pexgol 160 mm (6"), Class 15
Pexgol 160 mm (6"), Class 19
Pexgol 160 mm (6"), Class 24
Pexgol 160 mm (6"), Class 30

Application:

Water transport

Length:

9500 m

The Challenge

The mining company Zaldivar SPA (Barrick) needed to implement a line of drinking water from the storage pond to the camp sector, crossing the entire mining site. Two thirds of the layout required a pressure of 24 and 30 bar, using the minimum amount of joints possible and in the shortest time conceivable.

Pexgol Solution

It was decided to install 9500 m of Pexgol pipe due to its advantages:

- High pressure resistance (24 and 30 bar)
- Supply in long lengths (sections of up to 600 meters) minimizing assembly time and number of joints.
- Resistance to mechanical stresses due to pipe dragging in hard to reach areas.

The installation was simple, fast and safe. Without resources or special tools, shortening the known assembly program with HDPE pipes.





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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.

