

Facing the Challenges of the Neuquén Terrain in Argentina

Enhancing Efficiency and Durability in the Construction of Aerial Pipelines.



Pluspetrol Argentina | 2023

• Working Conditions

Temperature: 20°C / 68°F
Pressure: 10 bars
Flow: 30m³/h
Components: River water

• Pexgol Pipe

Pexgol 110 & 160 mm, class 15

• Application

Water transport

• Length

13300 m / 43773 ft

The Challenge

Pluspetrol and JMAC Resources, both giants in their respective domains, embarked on Yacimiento La Caleta in Neuquén, Argentina, with a mission. The objective was clear: to install an aerial pipeline that would last for a year and withstand both pressure and weather conditions. Without an existing line for this project, they faced the challenge of erecting a robust but temporary water transport system, ensuring it could handle the demands of transporting river water at 20°C (68°F) and a pressure of 10 bars.

The Solution

To address this formidable challenge, the Pexgol 110-160 mm, class 15 pipeline emerged as the ideal solution. Spanning a vast length of 13,330 meters (43,773 feet), this pipeline offered the benefits of quick installation, lightweight handling, and extended sections.

Not only was the installation process streamlined to just one week using the unroller provided by Argpex, but on-site training was also given to JMAC for Pluspetrol. This ensured expert handling of Pexgol's mechanical joints and a seamless integration process. The testament to its success was not only the efficient water transport but also the excellent after-sales service, reinforcing the brand's commitment to quality and customer satisfaction.



The Advantages of Pexgol Pipe Systems

PEXGOL
X-LINKED PIPING SOLUTIONS



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.



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.



Excellent chemical and corrosion resistance

Pexgol pipes can resist a wide range of chemical agents, slurries, toxic and radioactive materials.



Long pipe sections

Pexgol pipes can be supplied in long coil lengths, reducing number of joints, installation time and risks.



High temperature resistance

Working temperatures can range from -50°C/-58°F up to 110°C/230°F.



Creep and impact resistance

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.

For more information please visit:
pexgol.com

