

# Pexgol Piping for Fire Network System Expansion



How Pexgol piping improved the fire network system infrastructure in a paint manufacturing plant.



**Wall**  
Argentina | 2023

## • Working Conditions

Temperature: 25° to 30°C / 77° to 86°F  
Pressure: 12 Kg/cm<sup>2</sup>

## • Pexgol Pipe

Pexgol 110 mm (3"), class 15

## • Application

Red contra incendios

## • Length

100 m / 328 ft

## The Challenge

Pinturas Wall, a major industrial plant located in Borbollón, Las Heras district, Mendoza (Argentina), produces lines of household and industrial paints, coatings, and industrial paints, with an installed manufacturing capacity of 4,500,000 kiloliters per year. As part of the expansion of their factory, there was a need to expand their fire network system to ensure the safety of their operations.

The project required the installation of a new pipeline that could withstand a pressure of 12 kg/cm<sup>2</sup> and transport well water at temperatures between 25°C and 30°C. Additionally, the installation process needed to be efficient, minimizing the use of specialized machinery and labor.

## The Solution

For this challenge, Pinturas Wall chose the 110 mm Class 15 Pexgol piping. They installed 100 meters of this piping, using a range of accessories such as electrofusion couplers, mechanical double connectors, flanged couplers, stub ends, and loose flanges.

The choice of Pexgol was due to several advantages that this product offered. Firstly, its quick installation, as the laying and cutting of the piping was completed in a single day of work, while the execution of electrofusions and mechanical connections took only three days. Additionally, the piping is lightweight and easy to handle, allowing it to be unrolled and backfilled with ease, minimizing the hours of machinery use.

Furthermore, Pexgol piping offered long lengths and remarkable material flexibility, further facilitating the installation process. Particularly notable was the ease of using the mechanical connectors, which were simple to install and did not require trained personnel, resulting in significant time and cost savings for Pinturas Wall.

This case study is a clear example of how Pexgol can provide efficient and cost-effective solutions for complex challenges in the paint industry and beyond.



# The Advantages of Pexgol Pipe Systems



## 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](http://pexgol.com)

