

Efficient choice: PE-X pipe for the palm industry

Pexgol pipe was selected for the assembly of a muddy water transport line for a palm oil processing company.



Extractora Monterrey Colombia | 2023

• Working Conditions

Flow: 50 m³/h
Temperature: 80°C / 176°F

• Pexgol Pipe

Pexgol 110 mm (4"), class 15

• Application

Muddy water transport

• Length

200 m / 656 ft

The Challenge

The agroindustrial Colombian company Extractora Monterrey S A S is dedicated to the cultivation and processing of palm fruit, for the extraction of crude oil, palm kernel oil and palm kernel cake. It required the installation of a new line to transport muddy water to the oxidation ponds. From the Florentine passing the main road and the plantation, the excavation and installation of the pipe would be carried out in the crop, between palm trees without causing damage to the plants and the irrigation pipe.

The Solution

In this case, PE-X pipes were chosen because they are cheaper compared to the installation of stainless steel pipes.

Another factor that influenced the decision to use PE-X pipes was its ease of installation. The installation process was quick and easy, allowing the 200 meters of pipe to be laid in just 4 hours, using only two 15/16 wrenches, a level and a GP mechanical union.

In addition, PE-X pipes have fewer joints, which reduces the risk of leaks and therefore increases efficiency in transporting palm oil.

Finally, the recommendation of another client who had used PE-X pipes in other projects with good results also influenced the decision to use this type of pipe in the installation.

In summary, the choice of PE-X pipes in the transport of slurry water is due to its lower cost compared to stainless steel pipes, its ease of installation, fewer joints, recommendation from other clients and the speed of delivery. placement, which reduced the time and number of personnel required for installation.



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

