



## Water drainage in harsh ground

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**Timmins Gold Corp  
Group, Molimentales  
del Noroeste Mine**  
Mexico | 2016  
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### **Working conditions:**

Solar exposure, 14 bars

### **Pipes used:**

Pexgol 225 mm, Class 15 (SDR 11)

### **Application:**

Water drainage

### **Length:**

200 m

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### **The Challenge**

At "Molimentales" Mine in order to continue with their open-cast mining operations, it was necessary to drainage water from some sections in the ground. Formerly, the mine used an HDPE pipe of 12 meter sections, but they had constant issues due to leaks in the joints.

### **The Solution**

A Pexgol pipe was provided, in 100 meters sections, in order to have less joints and thereby less leak risks.

Furthermore, the installation was fast and simple due to the lack of welds, and the pipes were dragged with the equipment that the mine already had available.



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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 non-stop performance in some of the world's harshest environments.
- **Low weight:**  
Compared to steel or rubber, Pexgol's solution results in reduced transportation, storage and labor costs due to lower weight per meter.
- **Long pipe sections:**  
Pexgol's pipes can be supplied in long lengths coils, reducing number of joints, installation time and risk.
- **Creep and impact resistance:**  
Pexgol's crosslinking piping solution can withstand high amounts of axial and radial stresses and are highly resistant to impact, fracture and fatigue. Our pipes are also completely resistant to cracks – even when dragged over sharp rocky terrain and coagulated salt crystals.

