



Vertical mobile Pexgol installation on the rocks for mine dewatering.

.....
Ferrexpo Yeristovo Mining
Ukraine | 2019
.....

Working Conditions:

Vertical installation, ground laying on hills.
Ambient temperature: -15°C to 4°C

Pexgol Pipes:

Pexgol 280 mm (10"), Class 15

Application:

Mine dewatering

Length:

360 m

The Challenge

Ferrexpo Yeristovo Mining needed to install mobile long sections of pipeline for mine dewatering. They requested that the pipe should have scratch resistance and can be installed on the rocks without any complicate preparations.

They used to work with steel pipes but they presented serious problems such as:

1. Corrosion
2. Difficult and expensive installation
3. Long disassembly and replacement time

Pexgol Solution

The client chose Pexgol pipes with 280 outside diameter, class 15 in coils of 120 meters each with mechanical couplers for a fast and efficient installation. During the installation a 60 ton Hitachi bulldozer and a Manitou telehandler were used for decoiling.

There were 3 separated lines of one piece of 120 meters each without any additional connectors. The only connection was a flange coupler with a pump outlet. Pipes were fixed on top and in the middle by fixpoint clamps as well.

The use of Pexgol pipe solutions allow the client to save costs (manpower and installation time).



Vertical mobile Pexgol installation on the rocks for mine dewatering.

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.

