



Installation of Pexgol pipes for a Free Chlorine potable water supply.

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Rabin Medical Center
Israel | 2020
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Working Conditions:

Temperature: 4° to 85°C
Pressure: 6 bar

Pexgol Pipes:

Pexgol CL+ 16 mm – 75 mm class 24

Application:

Free Chlorine Potable Water Supply

Length:

1000 m

The Challenge

As one of the most major and central medical institutions in Israel, “Rabin Medical Center” must meet the most severe international health standards. Free Chlorine, if used to sterilize a potable water supply, may lead to Chlorine corrosion, and could even rupture pipes and infrastructure. As little as 0.3 ppm of Chlorine in the water system will lead to high wear and degradation and necessitate frequent replacements.

Pexgol Solution

Pexgol CL+ has proven durability to free Chlorine in a concentration between 0.3-0.5 ppm and working pressures up to 6 bar. By installing Pexgol CL+ in a potable water system, “Rabin Medical Center” can continue to insure a clean and safe supply of water to the hospital.





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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 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.

