



## Installation of Pexgol pipes for transporting hot water

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**Hilton**  
Israel | 2020  
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### Working Conditions:

Temperature: 70°C - 85°C  
Pressure: 6 bar

### Pexgol Pipes:

Pexgol 16 mm – 32 mm class 24

### Application:

Hot Water Transportation

### Length:

1000 m

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### The Challenge

As one of the largest, and most well-known hotels, the "Hilton" hotel, located in central Israel, is obligated to supply hot water completely free of corrosion-residuals. While historically metal pipes were used for high-rise buildings, metal piping systems tend to cause severe corrosion accumulation. Corrosion build up could lead to damaged pipes and malfunctioning valves, connectors, pumps etc.

### Pexgol Solution

The client decided to install Pexgol piping system to bring in a perfect non-corrosion-over-time solution. Pexgol cross-linked polyethylene can withstand high-temperature and high-pressure environments and provide a reliable and stable solution.

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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.

