



Öresund Tunnel

FIRE PROTECTION

The bridge and tunnel between Sweden and Denmark was ready in 1999. The fire protection pipe system was originally stainless steel but these pipes could not withstand the tough environment.

During 2006-2007 the pipes was replaced by Alvenius CorroFlo pipes.

The Öresund link, with a total length of 16 km, is one of the most important infrastructural achievements in Scandinavia. It consists of three sections: a tunnel, a bridge and a manmade island.

The Öresund Tunnel is the largest immersed tunnel in the world. It is 3.7 km long with four highway traffic lanes, two railway tracks and a service tunnel. Alvenius delivered two pipe systems to protect the tunnel in case of a fire. The installation is pressure tested at 172 bar, with a working pressure at 120 bar.

This project is a good example of the Alvenius systems impressive durability and corrosion resistance combined with quick connections and high pressure.

Facts

Country:.....Sweden and Denmark

Dim:..... 4" (114 mm) and 8" (219 mm)

Media:..... Brackish Water