



Photo: Aquasys

Öresund Tunnel

Fire water protection

FACTS: Country:.....Denmark
Dim:.....4" (114mm) and 8" (219mm)
Media:.....Brackish Water

The bridge and tunnel between Sweden and Denmark was ready in 1999. The fire protection pipe system was originally stainless steel. These pipes could not withstand the tough environment. During 2006-2007 the pipes was replaced by Alvenius thermo plastic coated pipes.

The Öresund link, with a total length of 16 kilometers, 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 kilometers 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. It is an impressive installation, 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.



Photo: Alvenius



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