

ACO. we care for water



Learn more about ACO Marine's innovative push-fit pipe system here:



# Reliable safety and stability for seismic-resistant construction

ACO Pipe System



ACO Pipe stainless steel pipework systems are manufactured from austenitic **stainless steel** in grades 1.4301 (AISI 304) and 1.4404 (AISI 316L). All products undergo chemical pickling and passivation to ensure optimal durability and corrosion resistance.

ACO Pipe is classified and certified as a non-combustible product because it is manufactured in compliance with EN1124, Parts 1 & 2, which classifies the ACO Pipe system as **Class A1 fire resistant**. It requires no additional fire collars during installation and produces no toxic fumes in the event of a fire.



The innovative **push-fit system** is designed to accommodate minor pipe movements and effectively absorb material expansion caused by temperature fluctuations. This feature ensures optimal performance and longevity of the system, even in varying environmental conditions.

In many regions, stainless-steel pipework is commonly connected by welding, but this method poses risks in areas prone to tectonic activity. In 2015, ACO tests showed that push-fit pipes offer greater **resilience to ground disturbances** compared to welded joints. The system compensates for longitudinal and transverse movements through slight shifts within the socket, ensuring superior performance. These results demonstrate the system's ability to withstand underground movements and high tension. Tests confirmed that push-fit pipelines endure greater forces than welded ones, highlighting the durability and reliability of ACO's system.

ACO Pipes are **EPD (Environmental Product Declaration)** certified, providing transparent and verified information about their environmental impact throughout their lifecycle. This certification confirms that ACO Pipes meet stringent sustainability criteria, from raw material extraction to manufacturing, use, and disposal. With EPD certification, ACO ensures its pipe systems contribute to sustainable construction, offering both high performance and eco-conscious solutions.



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