

**ALVENIUS<sup>®</sup>**PORTLINE<sup>™</sup>

# ProPole<sup>™</sup>

## The mooring pole of the future



## A 50-year lifespan is just the beginning...

Forget wooden mooring poles that rot, get attacked by shipworms and wear out quickly, costing you a great deal of money every time you need to replace them.

Discover ProPole™ from Alvenius PortLine™; a new, surface-coated steel mooring pole that will definitely last for more than 50 years.

ProPoles aren't just long-lasting and hard-wearing, they're also attractive, making your harbour look its very best. All other benefits aside, ProPoles' absolute best feature is the money they will save you. Spread over a 50-year period, we guarantee that your investment and maintenance costs for ProPoles will be next to nothing.

### Lightweight special steel

ProPoles are made from spiral-welded, pressure-vessel-class, high-strength Swedish steel. This makes them extremely lightweight and ensures your piles stay completely straight and looking like new.

### Surface coating C5-M (ISO 12944)

ProPoles are treated with the market's most effective surface coating – both inside and out. This coating is both long-lasting and environmentally-friendly. It also meets the ISO standard for C5-M marine environments (ISO 12944), the very strict corrosion classification.

ProPoles' special surface coating gives you first-class, reliable and maintenance-free protection against salt water, mechanical wear and weather damage. As an added bonus, it's also gentle on boat hulls.

### Ready to use

ProPoles come complete with end covers and fixtures for securing mooring lines and are 100-percent ready for installation.

For shallow waters we can deliver an adaptor kit, meaning you can use ProPoles with no need for reinforcement.

### 1. A range of attractive colours. Ready to install.

ProPoles come in a range of attractive colours (subject to a minimum order) and have fixtures for fastening mooring lines and equipment.

In the future, ProPoles' top protectors will also come in a range of designs, including covers with built-in, solar-powered lamps.



### 2. The market's most effective surface coating.

Both inside and out, ProPoles are coated with high-tech CORROFLO™ – a thermoplastic coating that gives you full protection against rust and the durability needed in tough C5-M marine environments.

ProPoles' outer layer is RocShield® – a 500-micrometre-thick LDPE layer on top of the CORROFLO™ coating – for maximum resistance to damage and wear.

These unique surface coatings are used in Alvenius' appreciated and widely spread pipe systems, proving they can withstand extreme conditions.

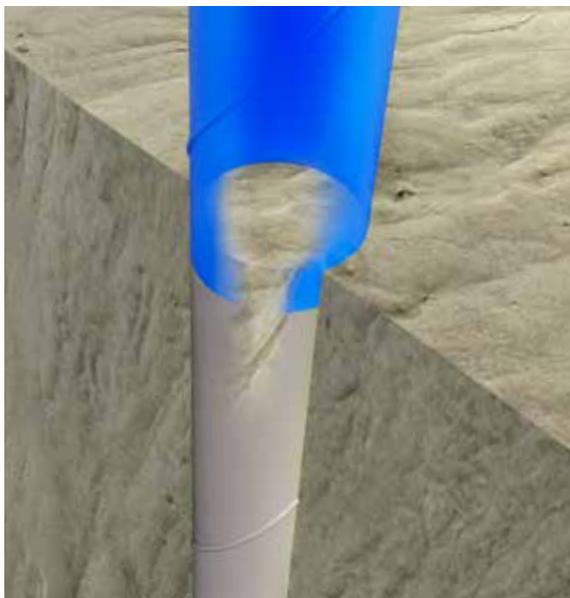


### 3a. ProPoles stay put.

When a ProPole™ is driven into a sea or lake bed, mud, sediment and/or sand are forced up the inside of the tube, creating a vacuum effect.

This means that your ProPoles won't budge an inch in any direction; they will always stay right where you left them.

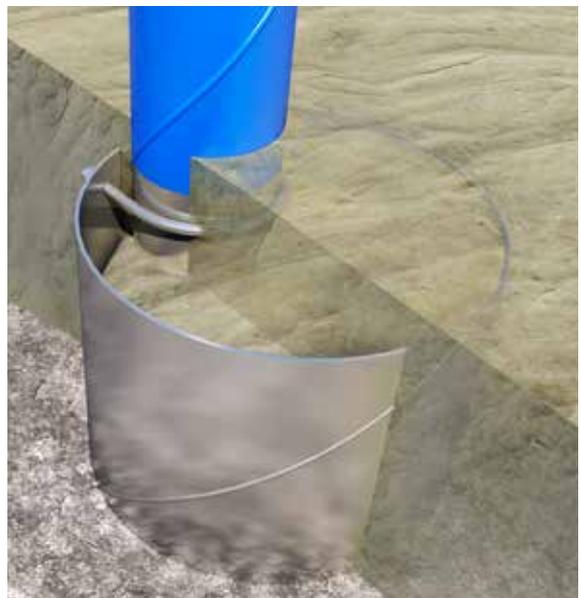
In other words, ProPoles mean no more "leaning tower" mooring poles!



### 3b. Adaptor for shallow water.

For usage in shallow waters or on rocky bottoms we can deliver an adaptor kit.

The adaptor ensures you get the same total surface area in contact with the sediment as when you install ProPoles in prime conditions, giving you a rock-solid hold.





**Alvenius PortLine™**

Alvenius PortLine™ is a division of Alvenius Industries, a company which has been developing, manufacturing and marketing spiral-welded steel pipes for industrial use since 1951.

Steel pipes from Alvenius are mainly used in the mining industry and for tunnelling as well as for snow-making, water and sewerage systems and for fire protection.

