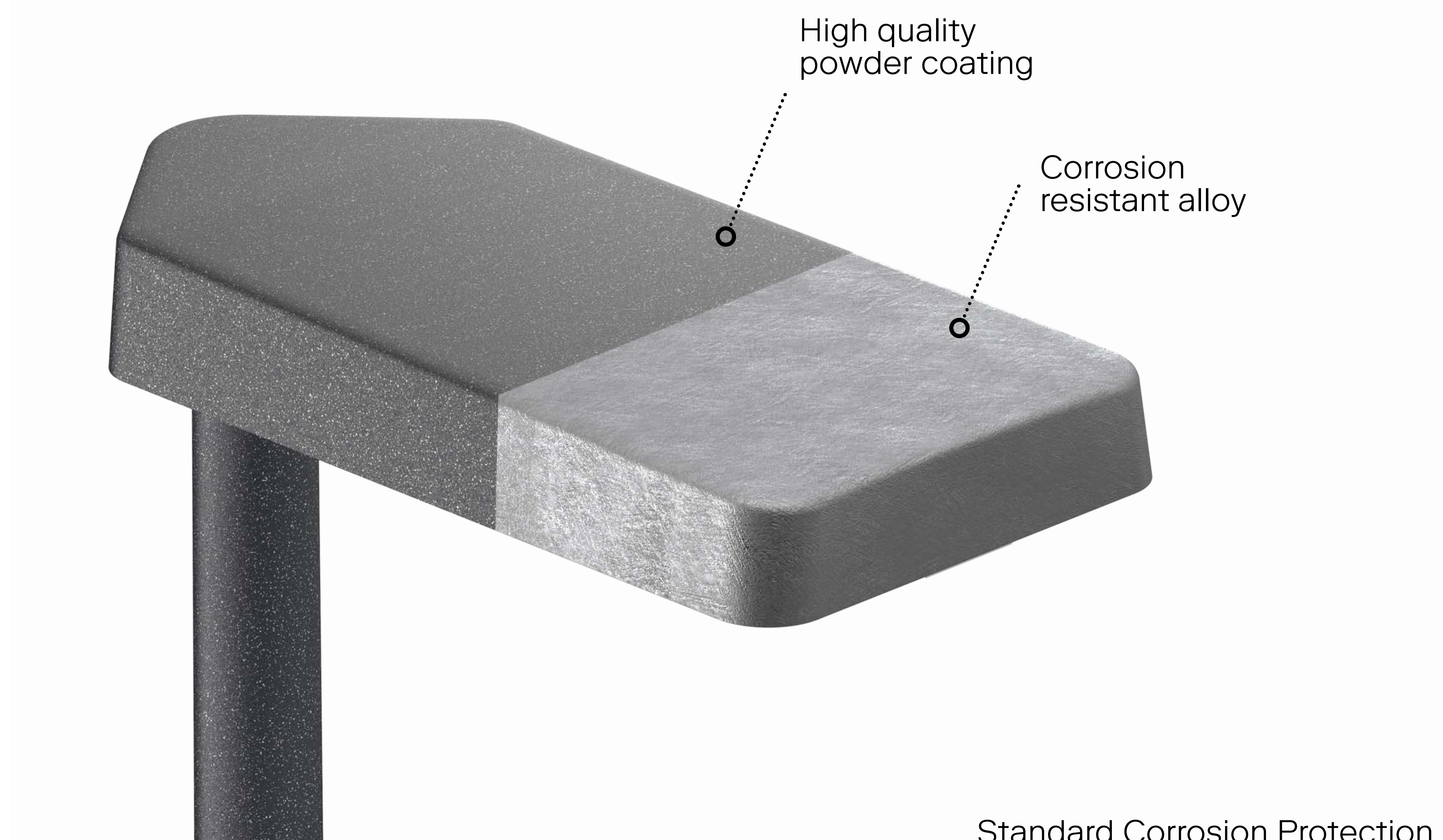
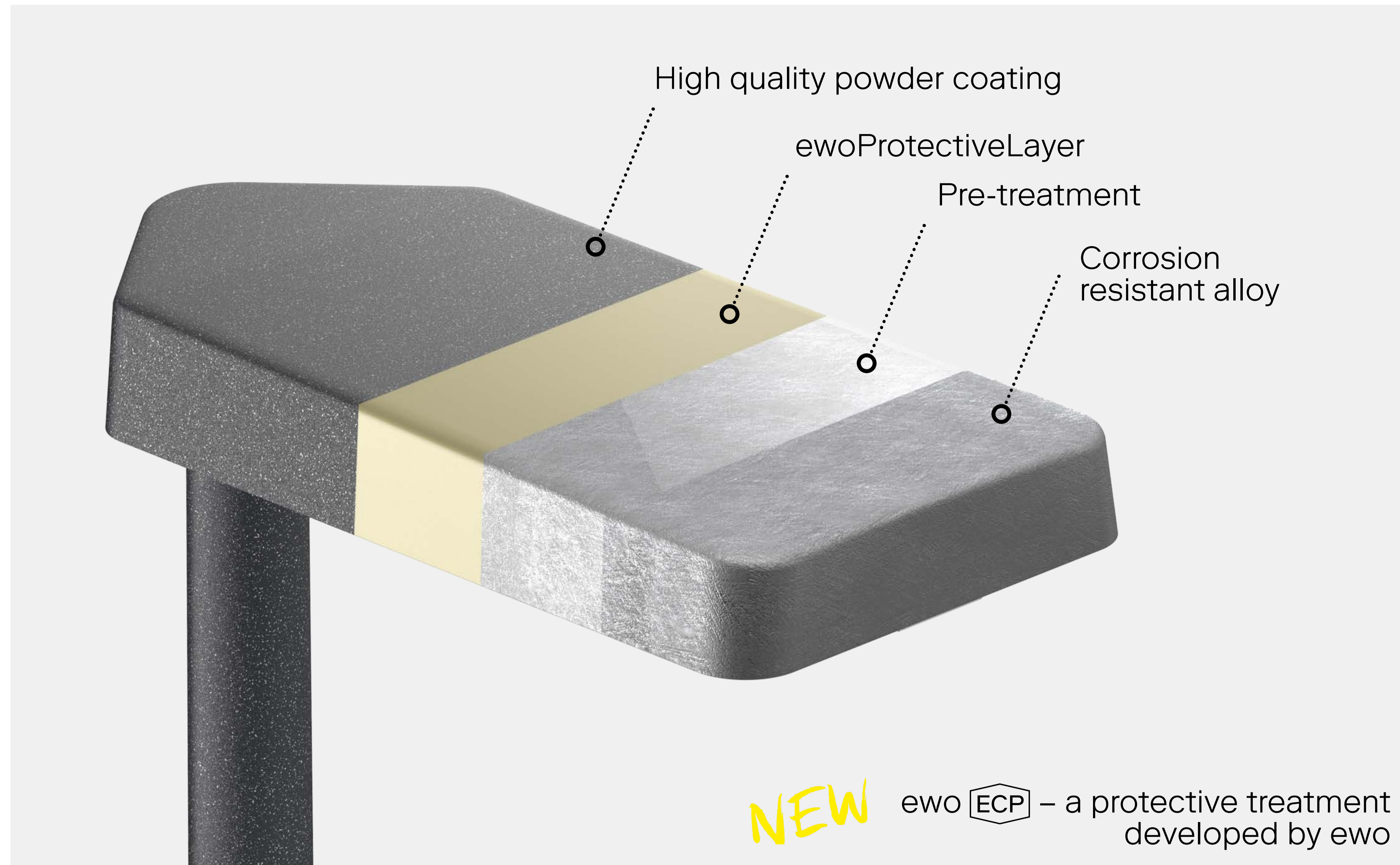




Extreme Corrosion Protection

Four steps to optimise corrosion protection



Standard Corrosion Protection

1) Corrosion resistant alloy

ewo luminaires are produced with a high-quality, low copper-aluminium alloy to guarantee high-end mechanical and anti-corrosion properties.

AW6060 is used for extruded parts, EN-AB 44300 for die-cast parts.

Some ewo luminaires also use EN-AB 47100, low copper-aluminum alloy with Cu <0.5% or <0.7%.

2) ewo **ECP** pre-treatment

After a detailed cleaning process, a Cr6-free film is applied to ensure complete adhesion of the following layer.

3) ewoProtectiveLayer **ECP**

A proprietary coating prevents delamination, blistering and cracking of the protective layer, even after accidental damage. This way, extreme corrosion resistance can be achieved.

4) High-quality powder coating

A high-quality coating performed in-house with thermosetting powders delivers customer desired colours with the serenity of a superior performance against corrosion.

Developed in-house and continuously tested

A combination of in-house and ISO17025 certified labs ensure that every piece that leaves our factory provides exactly the lasting performance we expect.

ewo **ECP** areas of application

- Outdoor: coastal and offshore areas with high salinity
- Indoor: buildings or areas with almost permanent condensation with high pollution

ewo **ECP** performance

- No blistering around scribe >1000 h* (AUS & NZ common requirement)
- No other corrosion defects such as blistering and adhesion >2500 h*
- Comparable to the IM3 corrosivity category (suitable for buried tanks)
- SASO compliance

* Testing process: ISO9227 salt spray test

The warranty covering corrosion damage to surfaces treated with ewoECP is extended to 10 years, on condition that there is no mechanical damage to the treated surface.

Standard Corrosion Protection (estimate)

— over 25 years in chemical processing plants, swimming pools, coastal sites for boats or in industrial and coastal areas with moderate salinity

— 15–25 years in buildings or areas with almost permanent condensation and with high pollution or in coastal and offshore areas with high salinity

