



Effective extension of maintenance intervals

Advantages of SEAL:

- ✓ Protects maritime devices
- ✓ Reduces the maintenance effort (-budget) of maritime companies
- ✓ Protects the maritime environment

Why Basalt?

- ✓ Delays vegetation
- ✓ Ecologically harmless

Why knit?

- ✓ Solid and flexible, moldable



Contact

SEAL – Textile protection for maritime devices

Helmut Peterseim Strickwaren GmbH
Erfurter Str. 3
99974 Mühlhausen
Germany

info@peterseim-strickwaren.de
www.peterseim-strickwaren.de

ANDRÉ NIEMANN

+49 3601 83300
a.niemann@peterseim-strickwaren.de

ANTON SCHUMANN

+49 176 31523467
a.schumann@peterseim-strickwaren.de

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SEAL

Textile protection for maritime devices

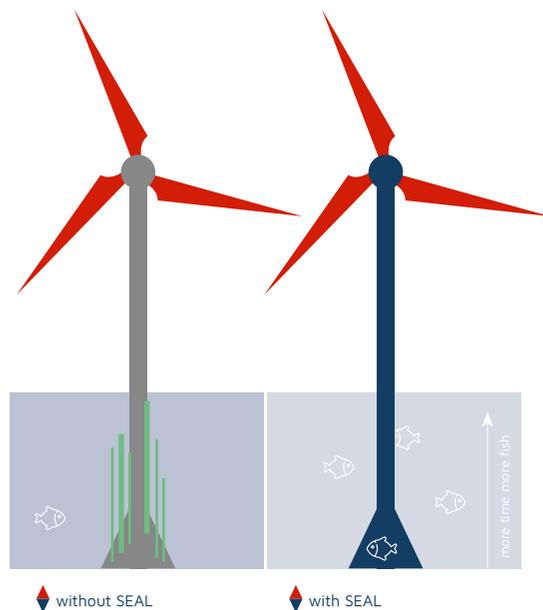


SEAL – Textile protection for maritime devices

Navigation marks or maritime architecture are subject to strong biological and physical influences. In particular the growth of algae and in order to ensure the function and safety over long periods of use, the maritime devices are maintained with cost-intensive and lengthy maintenance and service intervals with elaborate personnel and machine times. To this, devices must be landed and reprocessed many times.

In 2016, Helmut Peterseim Strickwaren GmbH developed a textile-based solution, which can significantly extend the regular cleaning and processing cycles. By combining an innovative knit and a powerful yarn, the cost of maintenance can be reduced to almost 40%. This means enormous cost savings and an increase in the user spectrum for operators and manufacturers of maritime buildings and signs.

Reduction of maintenance costs by extending the maintenance intervals ↗ **really effective and sustainable**

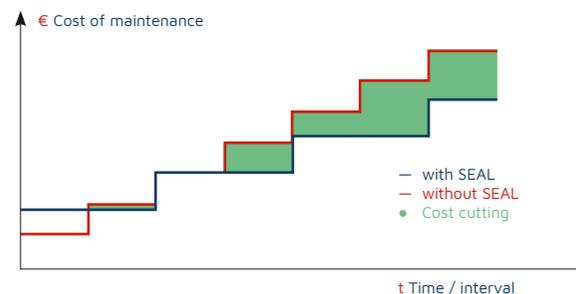


SEAL – Effective extension of maintenance intervals

For this purpose, a specially developed basalt thread is processed on conventional knitting machines to form a surface knitted fabric, which encloses the parts of the maritime devices lying under the water surface.

The surface properties of the basalt prevent algae growth and extend the possible dwell time in the water. Basalt's properties offer a wide range of applications to protect the maritime technology and architecture against the influences of nature and elements. The natural raw material Basalt can be used in combination with a drapier and elastic knitted construction and tailor-made clothing in the maritime environment. Basalt protects the environment from contamination by synthetic materials and protects the maritime applications by its antibacterial, antimicrobial and high-strength properties.

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SEAL Bridge foundation



SEAL Quay wall protection



SEAL Wind turbine foundation