

# Erosion protection material

For over 40 years Trelleborg has manufactured a range of erosion protection materials to protect propeller blades. The materials have been specified for many demanding OEM applications where resistance to extreme environmental conditions is a requirement, both in terms of surface protection and extended in-service life.

## Wind Turbines - Erosion Protection

Wind turbines operate in the harshest environments, where heavy rain and ice contacts the leading edge of the blade which causes erosion, which in turn significantly reduces the operational efficiency of the wind turbine.

Trelleborg's polyurethane materials withstand the effects of erosion by protecting the leading of wind turbine blades. They can be used on all modern composites and alloys.

Fighting the effects of erosion maintains efficiency and improves the reliability of the turbines key components. It also reduces the maintenance costs, especially for offshore wind farms where the costs can be significant with the inaccessibility of the turbine.

## Contact Us

Trelleborg Applied Technologies delivers innovative and reliable solutions that maximize business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.

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## Benefits:

- Exceptional substrate protection - specifically developed to withstand extremely harsh operating conditions
- Excellent performance characteristics - outstanding abrasive, tear propagation resistance with an extremely low compression
- Very versatile - available in either a cast sheet formulation or a customized molded part. Engineering or CAD software support available on request to ensure parts are manufactured to specification

