

Cleaning of rotor blades



BIOlogic Industrial Cleaner, water-based concentrate



Advantages and benefits

- Synergetic combination of active ingredients with temporary corrosion protection
- Free of solvents, no harmful vapours
- Biodegradable
- Good separation behaviour. Gentle to plastics, seals, rubber and sensitive metal surfaces
- Registered under Number 129003 in Category A 1 by the NSF

Despite state-of the art monitoring electronics a wind energy plant has to be maintained regularly, usually every 4 or 5 years. In order to inspect the plant the wind turbine is turned windward, stopped and the rotor locked to position. To check the rotor blades service engineers check the surface of each blade centimetre by centimetre. The rotor blades are examined for cracks, soiling and the state of the lightning conductors checked. Minor cosmetic repairs are carried out immediately, recorded and, if necessary, further repair measures are initiated. Precise inspection is very important since the plant is subjected to high stresses during operation. The rotor tips reach speeds of up to 300 km/h.

The aerodynamic properties of the rotor blade are decisive for the performance and output of the wind energy plant. Soiling can result in turbulences and performance drops. Therefore the rotor blades are usually cleaned parallel to the inspection.



Product description

Environmentally friendly water-based cleaning agents are used for cleaning. OKS 2650 has proved to be very successful since this cleaning agent can be used in a high concentration or diluted with water depending on the degree of soiling. The industrial cleaner OKS 2650 is solvent-free and marking-free in accordance with 1907/2006/EC and is 85% biodegradable within 28 days as specified in DIN EN 2988.