

MEGA P&C Wind Turbine Blade Coatings

Since 2009, MEGA P&C has been serving the wind power industry and have accumulated over a decade of project experience. We have developed high-performance water-based and solvent-based two-component polyurethane coating systems. Our products demonstrate high flexibility, excellent abrasion resistance, outstanding elongation, high strength, superior rain erosion resistance, low VOC emissions, good extensibility, and hydrophobicity. Our coatings comply with applicable environmental regulations and meet all relevant industry standards. The main products of MEGA P&C wind power coatings are as follows:

Product Name	Product Type	Product Advantages
Putty	Rapid-drying Polyurethane Microporous Putty	Specialized for repairing tiny pinholes on the substrate surface. It is characterized by extremely fast drying speed, which can achieve surface drying in 20 minutes and sanding within 1 hour at room temperature, greatly improving construction efficiency.
	Polyurethane Putty	A high-performance polyurethane putty specially developed for filling and repairing surface defects of FRP substrates. It can be used to repair and fill large pits on the substrate surface, and after drying, it is easy to sand and shape while having excellent flexibility.
Solvent-based Primer	Polyurethane Gel Coat	Features high volume solid content and excellent flexibility.
Solvent-Free, Water/Oil-Tolerant Primer (Water-Based)	Polyurethane Gel Coat	A type of polyurethane gel coat with almost no VOCs. While having high film-forming efficiency, it can still achieve strong leveling performance and excellent appearance.
	Rapid-drying Polyurethane Gel Coat	Has extremely fast drying speed, which can achieve surface drying in 30 minutes and sanding in 2 hours at room temperature. The high drying speed can significantly improve construction efficiency.

Solvent-based Topcoat	Polyurethane Topcoat	A polyurethane topcoat with extremely high weather resistance, applied to the outer layer of the entire coating system.
	Anti-icing Polyurethane Topcoat	In addition to the properties of ordinary topcoats, it also has certain anti-icing performance, which can reduce the probability of blade icing.
	Anti-icing Polyurethane Fluorocarbon Clear Coat	A two-component fluorine and silicon containing polyurethane paint with excellent weather resistance and super hydrophobicity, which can effectively reduce ice formation on the blade surface.
Water-based Topcoat	Water-based Polyurethane Topcoat	The first large-scale applied water-based wind turbine blade protective coating in China. It has excellent film performance, low carbon and environmental protection.
	Anti-icing Water-based Polyurethane Topcoat	In addition to the properties of ordinary water-based polyurethane topcoats, it also has certain anti-icing performance, which can reduce the probability of blade icing.
Leading Edge Protection Coating	Polyurethane Leading Edge Protection Gel Coat	A gel coat with extremely high wear resistance, mainly applied to the leading edge of blades. It has the characteristics of rain erosion resistance and sand erosion resistance and has high protection performance for the leading edge of wind turbine blades, which can effectively reduce damage to the leading edge of blades during operation.
	Polyurethane Leading Edge Protection Paint	A two-component polyurethane paint with excellent weather resistance and rain erosion resistance. It is used for the protection of the leading edge and tip of wind blades and is usually applied to the outermost layer of the entire coating.