



PRODUCTS FOR BATTERY

Binder for Carbon Coating Material



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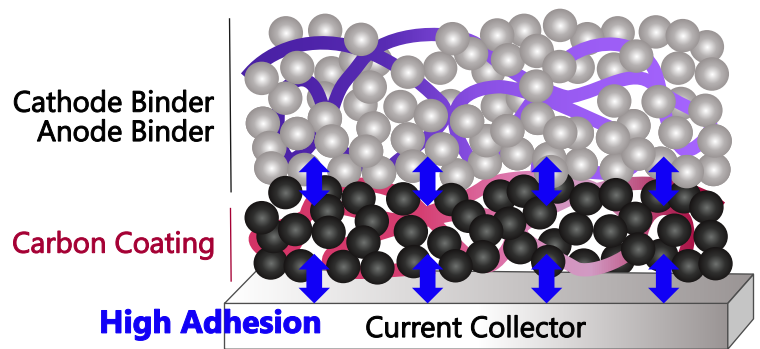
A binder for carbon coating material is essential for holding carbon particles together in a coating, ensuring they adhere effectively to the substrate. In battery applications, our high-performance binders enhance the structural integrity and conductivity of the electrode material, delivering superior performance and reliability.



Features

- » Aqueous acrylic resin with adhesion functional groups compatible with PVDF/aluminum or SBR / copper
- » Excellent electrolyte, solvent resistance, and good carbon dispersion
- » Low interfacial electrical resistance due to thin-film adhesion

Application » LFP Battery



Product Performance

Initial Adhesion	Al	15 N/cm
	Cu	15 N/cm
Adhesion with PVDF	Tape peel test / no peeling	
Interfacial Resistance	0.1 ~ 0.2 Ω	
Carbon Dispersion	Good	
NMP Resistance	Retains coat film after 200 wipes	
Electrolyte Resistance	Retains coat film after 200 wipes	

Product Properties

Data	SURFBEST 9100A
Composition	Water-based acrylic resin
NV (%)	10.7 ~ 11.7
pH	7.4 ~ 8.4
Viscosity (mPa * s)	100 ~ 600
Drying Condition	Temp.: 80 ~ 120 °C

