

## Product Datasheet

### Resicoat® EL Coating for Cores and Busbars by Electrostatic Spray Application Code: HLG09R

<b>Product Description</b>	Resicoat® EL HLG09R is a one part, 100 % solids, epoxy powder coating for insulation of cores, wire and busbars. Designed for electrostatic spray application requiring post cure, it has good resistance to heat, chemicals and moisture. The coating has a high level of flexibility and consistent edge coverage.		
<b>Powder Properties</b>		<b>Typical value</b>	<b>Method</b>
	<b>Binder system</b>	Epoxy	
	<b>Density</b>	1.40 – 1.50 g/cm <sup>3</sup>	ISO 8130-2
	<b>Gel time at 160° C</b>	130 – 220 sec.	modified ISO 8130-6
	<b>Storage stability</b>	4 months from date of manufacture at ≤ 23° C	
<b>Application Properties</b>	<b>Curing conditions</b>	10 – 15 min., 160 – 180° C object temperature	
	<b>Particle size distribution</b>	< 32 µm = 30 – 40 %	Malvern
		< 160 µm = 98 – 100 %	ISO 8130-1
<b>Material Properties</b>	<b>Color</b>	gray, ca. RAL 7031	
	<b>Recommended film thickness</b>	100 – 300 µm	
	<b>Flow</b>	smooth	
	<b>Gloss at 60°</b>	> 70 units	ISO 2813
	<b>Hardness</b>	> 90	DIN EN ISO 2815
	<b>Glass transition temperature</b>	Tg2 > 100° C	DSC 20K/min.
	<b>Water soak</b>	2.5 %	2 h, 90° C (free film)
<b>Typical Electrical Properties</b>	<b>Specific surface resistivity</b>	> 10 <sup>13</sup> Ω	IEC 60093
	<b>Dielectric strength</b>	> 30 kV/mm	IEC 60243-1
	<b>Dissipation factor tan δ 25° C</b>	< 0.01	ASTM D 150
	<b>105° C</b>	< 0.01	ASTM D 150
	<b>Dielectric constant (100 Hz – 1 MHz)</b>	4.0	ASTM D 149
	<b>Comparative tracking index</b>	CTI 500 M	DIN EN 60112
<b>Date of issue:</b>	<a href="#">August 16, 2016</a>		
<b>Authorized by:</b>	GK		
<b>Revision no.:</b>	1		

Disclaimer: This Product Data Sheet is based on the present state of our knowledge and on current laws. The data referring to Powder Properties, Application Data and Physical Tests is based on lab based samples. Factors such as quality or condition of the substrate may have an effect on the use and application of the product. It remains the responsibility of the user to test thoroughly if the product is applicable for the intended use. The use of the product beyond our recommendation releases us from our responsibility, unless we have recommended the specific use in writing. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. We are not liable for any application-technological advice. The Product Data Sheet shall be updated from time to time. Please ensure you have the latest version before using the product. All products and Product Data Sheets are subject to our standard terms and conditions of sale (GCS). You can receive the latest copy of GCS via internet or our post address. Brand names mentioned in this Product Data Sheet are trademarks of or are licensed to the AkzoNobel group.