

## Product Datasheet

### Resicoat® EL Slot Insulation for Armatures by Electrostatic Fluidized Bed Application Code: HME04R

<b>Product Description</b>	Resicoat® EL HME04R is a 100 % solids epoxy powder coating for slot insulation of armatures. Designed for electrostatic fluidized bed application Resicoat® EL HME04R has a high thermal conductivity and shows good resistance against heat, chemicals and moisture.		
		<b>Typical value</b>	<b>Method</b>
<b>Powder Properties</b>	<b>Binder system</b>	Epoxy	
	<b>Density</b>	1,90 – 2,10 g/cm <sup>3</sup>	ISO 8130-2
	<b>Gel time at 200° C</b>	17 – 25 sec.	modified ISO 8130-6
	<b>Storage stability</b>	6 months from date of manufacture at ≤ 23° C	
<b>Application Data</b>	<b>Heating temperature</b>	230 – 240° C object temperature; The cure of the test material must be assured by a relevant test method.	
	<b>Particle size distribution</b>	< 32 µm = 5 – 20 % < 200 µm ≥ 99.5 – 100 %	ISO 8130-1
<b>Material Properties</b>	<b>Color</b>	grey brown, ca. RAL8019	
	<b>Recommended film thickness</b>	200 – 400 µm	
	<b>Flow</b>	smooth	
	<b>Gloss at 60° angle</b>	60 – 90 units	ISO 2813
	<b>Cross cut test</b>	Gt 0	ISO 2409
	<b>Impact resistance</b>	10 Joule	DIN 3476-1
	<b>Hardness</b>	> 100	ISO 2815
	<b>Glass transition temperature</b>	125 – 135 °C	ISO 11357-2
	<b>Adhesive tensile strength</b>	> 10 MPa	ISO 4624
	<b>Dielectric strength</b>	> 30 kV/mm	IEC 60243-1
	<b>Specific volume resistivity</b>	> 10 <sup>13</sup> Ω · m	DIN EN 821
	<b>Thermal conductivity</b>	1,0 W/(m·K)	DIN EN ISO 22007-2
	<b>Thermal resistance</b>	24h at 160°C – no change	
<b>Chemical Resistance</b>	Water at 90°C	1 week – no change	
	Water/glycole 1:1 mix at 120 °C	1 week – no change	
<b>Date of issue:</b>	<a href="#">September 12, 2019</a>		
<b>Authorized by:</b>	GK		
<b>Revision no.:</b>			

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.