Akzo Nobel Coatings Inc.
Functional Powder Coatings

Product Datasheet

Resicoat® RB-601
Electrostatic Spray Application for Reinforcing Steel
Code: HHF05R (500711)

Product Description	**Resicoat® RB-601 HHF05R (500711) is a Fusion Bonded Epoxy coating for steel reinforcing bars which complies with the requirements of ASTM A934/A934-95a standard specification for Epoxy coated steel reinforcing bars.**		
		Typical value	**Method**
Powder Properties	**Binder system**	Epoxy resin	
	Specific gravity	1.35 – 1.45 g/cm³	ISO 8130-2
	Gel time at 200 °C (392 °F)	15 – 19 sec.	ISO 8130-6
	Storage stability	4 months at ≤ 23 °C (74 °F)	
Application Data	**Preheating temperature**	230 – 240 °C (446 – 464 °F) object temperature	
	Post cure conditions	self curing on 8 mm steel at above temp.	
	Particle size distribution	D10 = 9 - 15 µm D90 = 120 - 140 µm	Malvern Mastersizer ISO 8130-1
Material Properties	**Color**	Purple	
	Recommended film thickness	175 – 300 µm (7 – 12 mils)	
	Flow	Smooth	
	Gloss at 60° angle	80 – 100 units	DIN 67530
	Cross cut	Gt 0	DIN EN ISO 2409
	Abrasion resistance	25 mg	1000 g load, 1000 cycles, CS 10 wheel
	Elongation	> 5 %	DIN 30677-2
	Hardness	> 90	DIN EN ISO 2815
	Breakdown voltage	> 3 kV	at 100 µm
	Cathodic disbonding	 3 mm 3 mm	DIN 30677-2 65 °C (149 °F) , 2 days 21 °C (70 °F), 7 days
	Salt spray	800 h, 2 mm	DIN 50021 SS
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