

TECHNICAL DATA SHEET

Product Series: Pure Epoxy [EP]

Revision Date: May 18, 2026

1. PRODUCT IDENTIFICATION

- **Product Description:** RAL 9005 - Epoxy FDA Flat
- **Product Code:** EP-9005-000-20-SM-R
- **Color:** Black
- **Resin Type:** Pure Epoxy [EP]
- **Application Method:** Corona

2. PHYSICAL PROPERTIES

Property	Test Method	Result
Gloss at 60°	ASTM D523	"Matte" [15GU-30GU]
Specific Gravity	Theoretical	1.5±0.1 g/cm ³
Adhesion	ASTM D3359	100% (5B)
Hardness	ASTM D3363	1H - 2H Minimum
Impact Resistance	ASTM D2794	100 - 120 in-lbs (Direct/Reverse)
Salt Spray	ASTM B117-16	1000+ Hours
Humidity Resistance	ASTM D2247	1000+ Hours
Chemical Resistance	Internal	Excellent

3. APPLICATION & CURING

Spray Parameters

- **Recommended Film Thickness:** 2.0 – 3.0 mils
- **Theoretical Coverage:** 110 sq.ft/lb/mil

Curing Schedule (Metal Temperature)

- **Temperature:** 200C [400F]
- **Time:** 10min
- *Note: Substrate thickness may require adjusted oven dwell times to reach metal temp.*

4. STORAGE & SHELF LIFE

- **Storage Conditions:** Store in a cool, dry area.
- **Temperature Limit:** Do not exceed 27°C (80°F).
- **Shelf Life:** 12–24 months in original sealed container.

5. IMPORTANT NOTICE

The information provided is based on current knowledge and raw material supplier data. Kroma Coatings Technology LLC provides this guidance in good faith but offers no express or implied warranty regarding product performance or suitability for a specific application. Results may vary based on substrate condition and application environment.

6. CONTACT INFORMATION

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Page: 1 / 2



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