



# Technical Bulletin

## Matte Black II ERSM 10075

- Description:** A thermosetting, low gloss powder coating based on an epoxy resin designed for interior applications where a moderately chemically resistant, hard wearing finish is desired.
- Typical Applications:** Functional protective coatings, decorative applications, laboratory furniture, drum coatings.
- Typical Physical Properties:**
- |                                         |                 |
|-----------------------------------------|-----------------|
| Film Thickness                          | 1.5 – 3.5 mils  |
| Gloss 60°angle (ASTM D-523-89)          | 3-8             |
| Hardness (ASTM D-3363-92A)              | 3H - 4H         |
| Flexibility (ASTM D-1737-89)            | 1/8 inch        |
| Adhesion (ASTM D-3359-95A)              | 5b (100%)       |
| Impact Direct/Indirect (ASTM D-2794-93) | 100/100 in-lbs  |
| Salt Spray (ASTM B117)                  | 1000 Hrs < 3 mm |
| Specific Gravity (calculated)           | 1.55+/- 0.03    |
- Application Data:** Epoxies can be applied with a corona electrostatic powder spray gun at between 60kv – 100 kv or a Tribo gun. Epoxies can also be formulated for fluid bed application upon request.
- Cure Schedule:** Epoxies can be cured in a direct or indirect gas convection oven, an electric oven, or an Infrared. A combination of any of these ovens is also suitable. Care must be taken with excess heat, as epoxies tend to discolor on over-bake.
- Standard Cure: 10 Minutes @ 400°f Peak Metal Temperature
- Storage:** Product should be stored at temperatures below 80<sup>0</sup>f, in a dry area away from any heat source.
- Notes:** All tests were performed on Bonderite 1000, iron phosphated panels with a nominal film thickness of 2 mils. Please refer to the MSDS for safety information. Lower gloss products may require higher cure temperatures and/or longer dwell times to achieve minimum gloss.

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