ECS 1300-1303 Series offers unparalleled protection of electronic components from heat, moisture, and other contaminants. The ECS 1300-1303 Series has been specifically formulated for use on electronics and are fluoropolymer free. The coatings are easy to apply and offer best in class moisture protection. The ECS 1300-1303 Series products have been specifically designed to quickly and efficiently conduct and diffuse heat, making them the perfect coating for systems requiring thermal energy to be transmitted away from vulnerable components.

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| --- | --- | --- |
| **Technical Data** | | **Drying and Coverage Rate** |
| **Color** | Opaque (Semi-Clear) or Black | **Average Applied Dry Film Thickness** |
| **Viscosity** | 20 - 30 sec. #2 Zahn | 2 to 10 microns |
| **Percent Solids – 1304AG** | 24 | **Estimated Coverage Rate**  **(18% Solids @ 3 microns)** |
| **Percent Solids – 1305AG** | 28 | 2,450 ft² (230 m²) per gallon |
| **V.O.C** | Exempt per CFR 51.1 / Regulation 8 | **Dry to Touch Time (@ 75oF / 25oC)** |
| **RoHS** | Compliant | 460 ft² (42 m²) per gallon |
| **REACH** | Compliant | **Ambient Cure (@ 75oF / 25oC)** |
| **Halogens** | None | Full Properties in 35-45 minutes  (Cure 24 hours for best performance) |
| **Thermal Stability (cured)** | 1600°F (871.1°C) |  |
| **Conical Bend (1/8” Mandrel)**  **(ASTM 522-3a)** | Passed | **Supplemental Application Data** |
| **Cross Cut Adhesion**  **(ASTM D3359)** | 5B | All ECS 1304G-1310AG Series products have the same basic application, ultrahydrophobic, and adhesion properties. Some formulations have higher solids content that result in higher dry film thickness maximizing water resistance and thermal protection.  Contact your eCoat representative for further information. |
| **Direct Impact**  **(ASTM D2794-93)** | 130lbs |
| **Specific Gravity**  **(ASTM D891-09)** | 1.04 ± 2% |
| **Pencil Hardness**  **(ASTM D3363)** | 7h (Ambient Cure) |
| **Odor (liquid)** | Slight Solvent |
| **Odor (cured)** | None |