OVERGLAZE COMPOSITION

ESL G-485-1 is a cadmium and lead-free, low firing temperature, glossy finish, high green strength overglaze. It is designed for applications such as chip components that require electroplating.

PASTE DATA

Rheology: Thixotropic, screen-printable paste

Viscosity: 150 ± 25 Pa.s

( Brookfield RVT, 10 rpm,
ABZ spindle, 25.5 ± 0.5 °C)

Colour: Green

Shelf Life (20 - 25 °C): 6 months

PROCESSING

Screen Mesh, Emulsion: 325 S/S, 10 µm

Levelling Time (at 20 °C): 5 - 10 min

Drying Time (at 125 °C): 10 - 15 min

Firing Temperature Range: 525 - 625 °C (in air)

Optimum: 600 °C

Time at peak: 5 min

Total Profile Time: 30 min

Substrate for Calibration: 96% alumina

Thinner: ESL 401
Complies with RoHS, ELV, WEEE and CHIP 3 EC directives.

**CAUTION:** Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapours emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.

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