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LOW-TEMPERATURE OVERGLAZE COMPOSITION

4771-L

Cadmium-free • Low-temperature firing from 420°C • Short firing cycle

ESL 4771-L is a cadmium-free, low-temperature, green overglaze especially designed for screen-printing over resistors in hybrid circuits.

PASTE DATA

Rheology: Thixotropic, screen-printable paste

Viscosity:

(Brookfield RVT, 10 rpm, No.7 spindle, 25.5 ± 0.5 °C)

150 ± 25 Pa.s

Colour: Green

Shelf Life (20 - 25 °C): 6 months

PROCESSING

Screen Mesh, Emulsion: 325 S/S, 12 μ m

Levelling Time (at 20 °C): 5 - 10 min

Drying Time (at 125 °C): 10 - 20 min

Firing Temperature Range: 420 - 525 °C

Optimum: 450 °C (20 min cycle) Time at peak: 1 - 1.5 mins

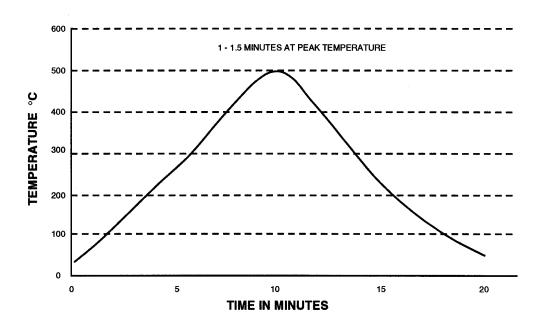
Substrate for Calibration: 96 % alumina

Thinner: ESL 401

ESL Europe 4771-L 0404B

Fired Thickness: 9 - 13 μm

TYPICAL FIRING PROFILE



ESL Europe 4771-L 0404B

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.