ESL ELECTROSCIENCE
CERAMIC TAPES & THICK-FILM MATERIALS
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OVERGLAZE COMPOSITION 4771-B

Acid Resistant, RoHS Compliant*

ESL 4771-B is a low firing temperature, semi-matte finish, colourless overglaze 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:	Colourless
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:	525°C
	Time at peak:	5 min
Total Firing Cycle:		30 min
Substrate for Calibration:		96% alumina
Thinner:		ESL 401

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***None of the six substances referred to in the RoHS Directive (2002/95/EC) are used in the formulation of this product.**

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.