**ESL ELECTROSCIENCE**
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# OVERGLAZE COMPOSITION 4771-P2

## High Green Strength, Acid Resistant, Cadmium and Lead-Free*

ESL 4771-P2 is a low firing temperature, semi-matte finish, high green-strength overglaze designed for screen-printing over resistors in hybrid circuits.

## PASTE DATA

| | |
|---|---|
| **Rheology:** | Thixotropic, screen-printable paste |
| **Viscosity:** (Brookfield RVT, 10 rpm, ABZ 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, 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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***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.