



# Electro-Science Laboratories, Inc.

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## OVERGLAZE COMPOSITION

## 4774-BCG

### Low-Temperature-Firing Overglaze for Resistors

ESL 4774-BCG is a low temperature screen printable green resistor overglaze especially formulated for laser trimming when used with ESL Resistor Systems.

## PASTE DATA

<b>RHEOLOGY:</b>	Thixotropic, screen printable paste
<b>VISCOSITY:</b> (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C)	275±40 Pa·s
<b>COLOR:</b>	Green
<b>SHELF LIFE:(at 25°C)</b>	6 months

## PROCESSING

<b>SCREEN MESH/EMULSION:</b>	325/37.5 µm
<b>LEVELING TIME:</b>	5-10 minutes
<b>DRYING AT 125°C:</b>	10-15 minutes
<b>FIRING TEMPERATURE:</b>	525°C-565°C
<b>TIME AT PEAK:</b>	10-15 minutes
<b>SUBSTRATE FOR CALIBRATION:</b>	96% alumina
<b>THINNER:</b>	ESL # 401

## TYPICAL PROPERTIES

<b>FIRED THICKNESS:</b>	12-18 µm
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4774-BCG 0304-C

### ESL Affiliates

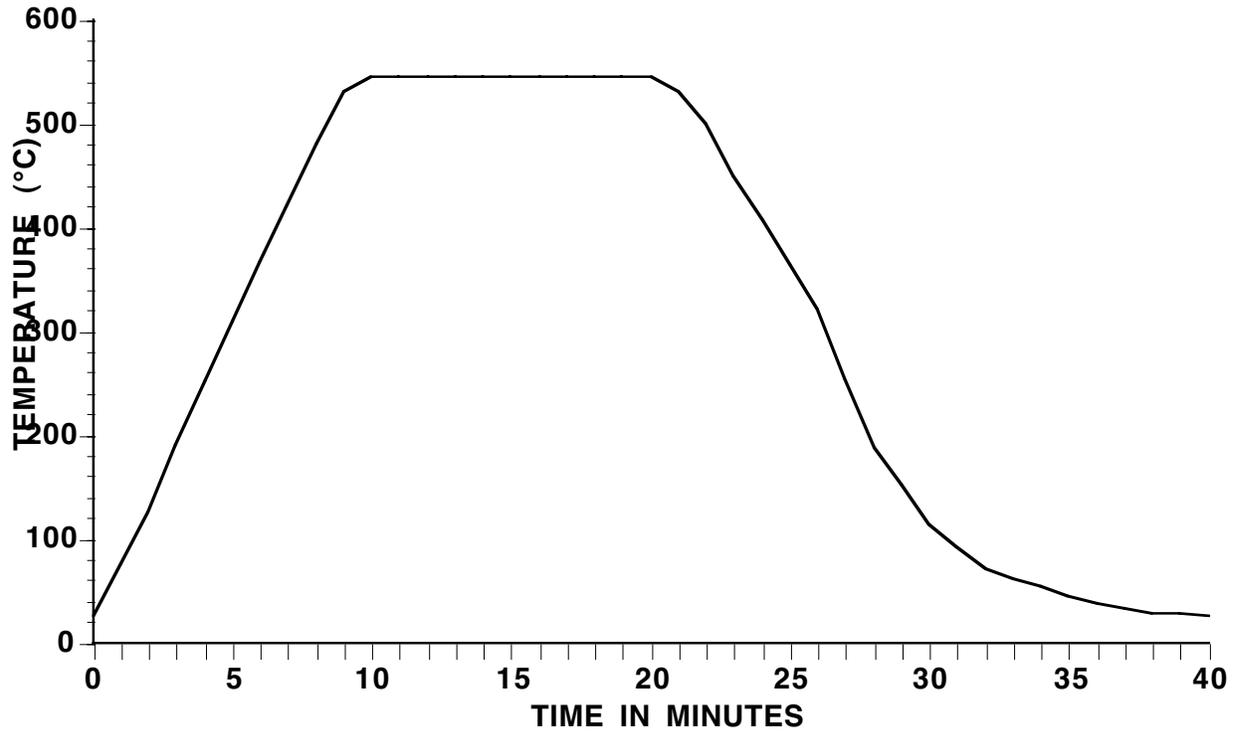
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See Caution and Disclaimer on other side.

**4774-BCG  
RECOMMEND FIRING PROFILE**



**4774-BCG 0304-C**

**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 vapors 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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