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OVERGLAZE

G-480 Series

Acid Resistant, Cadmium-Free Overglaze

ESL G-480 Series are low temperature firing, semi-gloss, acid resistant, screen printable overglazes. They are specially formulated for use with the R-300-A/B Resistor Series. Because of their acid-resistant properties, they are particularly well suited for use with chip resistors. The G-481 is green in color and is used for the first coating over the resistor prior to laser trim. The G-482 is designed for use as the final glass coating. All may be used where resistance to acid plating baths is desired. This Series may also be used for marking applications. All materials are cadmium-free.

PASTE DATA

RHEOLOGY:

Thixotropic, screen printable paste

VISCOSITY:

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

225±50 Pa·s

COLOR:

G-481	Green
G-482	Black
G-483	Colorless
G-484	White

SHELF LIFE: (25°C)

6 months

PROCESSING

SCREEN MESH/EMULSION:

325 mesh/20 µm

LEVELING TIME:

5-10 minutes

G-480 Series 0108-F

ESL Affiliates

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See Caution and Disclaimer on other side.

DRYING AT 125°C:	10-15 minutes
FIRING TEMPERATURE RANGE:	600°C-625°C
TIME AT PEAK:	10-15 minutes
SUBSTRATE FOR CALIBRATION:	96% alumina
THINNER:	ESL 401

TYPICAL PROPERTIES

FIRED THICKNESS:	7-13 μm
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G-480 Series 0108-F

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.

DISCLAIMER: The product information and recommendations contained herein are based on data obtained by tests we believe to be accurate, but the accuracy and completeness thereof is not guaranteed. No warranty is expressed or implied regarding the accuracy of these data, the results obtained from the use hereof, or that any such use will not infringe any patent. Electro-Science assumes no liability for any injury, loss, or damage, direct or consequential arising out of its use by others. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability thereof for their particular use, before using it. User assumes all risk and liability whatsoever in connection with their intended use. Electro-Science's only obligation shall be to replace such quantity of the product proved defective.