



Suggested Uses:

The ELG-1400 Series DielectricClear was recently developed to complement our ELG UV Curable Conductive Silver line; as such we are still in beta test mode and have limited technical information available. This data sheet will be updated when test data is available.

Printing Recommendations:

Processing or printing of the ELG-1400 Clear Dielectric should be very similar to current UV curable dielectrics available on the market; i.e. screen mesh, ink film deposition, etc. The most significant difference will be seen in terms of ease of processing, cure speed, inter-coat adhesion and compatibility with most commonly used PET substrates.

Curing Parameters:

Average cure rates are as follows:

	mJ	mW
UVA	179.36	614.39
UVB	171.39	577.86
UVC	27.234	94.775
UVV	152.79	523.72

These values are indicative of 2 medium pressure mercury bulbs set at 200 wpi with a belt speed of 80 fpm.

These guidelines are meant to be a starting point only. Curing requirements vary depending on ink film thickness, substrate type, substrate color/background color, curing system, reflector type etc. Testing should always be performed under actual production conditions to determine suitability.

Screen Cleaning:

Most conventional solvent cleaners work well. Alcohol based solutions must be avoided as they break down the emulsion. Norcote recommends Press Wash 110 (flash point 113° F), 140 (flash point 140° F) or NSW-824 (flash point 150° F). These products are used for cleaning ink off screens during on press color changes or before storing the screen. They work well when removing ink from squeegees, flood bars and other equipment. Contact us for packaging options.

Precautions:

Avoid direct contact of ink with skin and clothing. If contact occurs, wash affected area with warm soapy water and dry thoroughly. If eye contact occurs, irrigate the area with water for 15 minutes and consult a physician. For more specific information, refer to the relevant Material Safety Data Sheet.

Standard Colors:

Product	Color
ELG-1400	Clear
ELG-1419	Orange
ELG-1430	Green
ELG-1434	Blue
ELG-14335	Violet

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