



Leaded Effect

LEI

Two-Part Three Dimensional Ink

Specialty Screen Ink

CONVENTIONAL

Always test ink on substrate prior to production run. Please refer to the MSDS for safety precautions.

Description: Deco-Chem's Leaded Effect series is a special two-part epoxy screen ink formulated to achieve a three dimensional leaded effect as a non-lead product. LEI inks contain a material that will cause the printed line to raise a small amount when baked. This can be considered a tremendous advantage over regular lead used in the construction of stained glass.

Features: • Satin Finish • 3-D Leaded Appearance • Interior Durability

Substrates: • Metal • Glass

Stencil: Use a lacquer proof or direct emulsion film, photographic or water-soluble hand-cut stencil.

Coverage: 400-500 sq/ft. per gallon depending on ink deposit

Screen: 65 to 120 mesh recommended for most applications.

Mixing: Should be mixed by volume, at a ratio of 3.5 parts ink to 1 part catalyst. After mixing, allow to stand for about 20 minutes. This amount of time is required for molecular orientation.

Pot Life: Approximately 2 1/2 hours following 20 minute stand time for a 2/3 gallon mixture. The larger the mixture, the shorter the life.

Cure Parameters: Baking temperatures may vary depending on ink deposit, placement of parts in the oven and equipment. Pretests are recommended prior to production run.

250°F for 25 minutes	275°F for 15 minutes
300°F for 10 minutes	350°F for 8 minutes
400°F for 4 minutes	450°F for 3 minutes

Die Cutting/Creasing: Not recommended.

Additives: LEI03 Catalyst, LEI48 Flow Additive, LEI94 Thinner and LEI95 Retarder

Cleaner: LEI96 Wash-Up

Storage: Ink should be stored in a metal container at room temperature (75°F). Inks previously used for printing runs should be stored in a separate container to avoid cross contamination. Ink has a minimum shelf life of 6 months from date of manufacture if the above guidelines are followed and there has been nothing added to the ink.

Sizes: 1 and 5 Gallon Pails or 30 or 55 Gallon Drums Available

Contact us today for a current product list and about customizing an ink's look, feel or texture just for you.

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