



Urethane

URE

Two-Part Urethane

Screen Ink

CONVENTIONAL

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

Description: The URE Series is a two-component urethane designed as a multi-purpose ink. The cured ink has excellent flexibility and chemical resistance. The URE Series has withstood 26 washing machine cycles without cracking, loss of color, or adhesion. This system was developed as a high solids coating for VOC compliance.

Features:

- Gloss
- Excellent Opacity
- Excellent flexibility
- Excellent Adhesion
- Chemical Resistant
- VOC Compliance

Substrates:

- Nylon
- Fiberglass
- Metals
- Canvas
- Rubberized Polyolefins
- Plastic
- Melamine

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

Coverage: 1,000-1,200 sq/ft. per gallon depending on ink deposit

Screen: 200 to 390 mesh recommended for most applications. 150 to 200 mesh for textiles.

Mixing: Use conversion chart for proper ratios. When URE03 catalyst is not in use, metal container should be tightly closed and kept in a cool, dry place.

Pot Life: After mixing the 2 components, the average pot life is about 2 hours at normal room temperature (72 F).

Cure Parameters-Air Dry: When combined with catalyst, URE will air dry at room temperature (72°F) in 8 to 12 hours. Proper air flow through racks will maximize air drying.

Cure Parameters-Baking: 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 20 minutes	275°F for 12 minutes	300°F for 8 minutes
350°F for 6.5 minutes	400°F for 3 minutes	450°F for 2 minutes

Additives: URE94 Thinner, URE95 Retarder and URE03 Catalyst

Cleaner: URE96 Wash-Up

Storage: Ink should be stored in a metal can 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 and 50 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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