



Recommendations	
Product Overview	
Product Code	UGLZ1000
Industry	Inks
Application	Screen Printing
Category	Specialty Inks
Chemistry	Epoxy
Substrate(s)	Other
Best Used By	12 months
Certification(s)	ISO9001
Performance:	
Coverage	800 to 1200 square feet per gallon
Squeegee:	
Squeegee Angle	10° - 20°
Screen:	
Mesh	156 to 305 Monofilament meshes, size depending on substrate and art work
Storage:	
Storage Temperature	65°F - 95°F (18°C - 35°C)

Last Change: Jan 2020

UNIGLAZE WHITE

Used for Industrial applications such as Printed circuit board markings, Electronic equipment panels, Glass before or after mirroring, Metal Casings, Automotive / Aeronautical / Nautical components, Polyethylene bottles (for superior product resistance) and Polypropylene (Polyallomer Plastics). The Uniglaze product line offers outstanding chemical resistance, excellent flexibility, excellent opacity, and meets most of CID A-A 56032D Type I specifications.

Features

- High Gloss, semi-gloss or flat, depending upon type of catalyst used. Black and white are available in both gloss and flat finishes. Uniglaze Inks have excellent flexibility, even for flexing and creasing on metal, polyethylene and other surfaces.
- Conformance to Industry and Government Standards: CID A-A-56032D: INK MARKING, EPOXY BASE (TYPE I). Conforms to most requirements, except for:-Electrical Resistance: achieves 7E+11 ohms before atmospheric conditioning, but not E+12ohms. Sample passes resistance testing after high humidity conditioning (6E+10 ohms)-Abrasion Resistance on plastic: Test sample does not pass due to erosion of plastic substrate under testing conditions.-Salt Spray Resistance directly applied to Stainless Steel. Metal pretreatment is required. Medical & Surgical devices: Union Ink has not tested this product nor has it received any FDA approval regarding Bio-Compatibility or any autoclave sterilization processes, as it relates to markings on actual surgical devices or any part thereof. It is the sole responsibility of the end user to have this ink tested for feasibility on such devices.

Instructions

UNIGLAZE Colors must be mixed with Catalyst prior to use according to the following recommendations (by volume or weight). See specifications for recommended mixing ratios below. Ink to Catalyst Ratios: UGLZ-9120 (Standard) - 6 parts INK to 1 part Catalyst provides maximum gloss, hardness, electrical & chemical resistance. To gain maximum flexibility and adhesion the ratio can be moved towards 4 parts INK to 1 part Catalyst. These ratios are not absolutely critical. However the end user is responsible for testing to ensure maximum performance on the materials being imprinted. UGLZ-9141 (Flat/Fast): When utilizing this catalyst care should be taken not to exceed the recommended ratio of 4 parts INK to 1 part Catalyst as the inks overall performance will be diminished. When screen printing add Reducer SOLV-1498 as necessary, perhaps 10-20%. When using the above mixtures for application by rubber stamp, reducer may not be necessary.

Pot life: Ink/Catalyst Mixture may be used for up to eight hours. Ambient temperatures and climatic conditions may alter pot life. Always be sure to keep ink and catalyst in a proper container and cover when not in use.

Shelf life: The shelf life of the unmixed ink and catalyst is at least 1 year from Date of Shipment if sealed and stored at room temperature (approx. 73°F / 23°C). Uniglaze Inks, like most epoxies, are not recommended for outdoor weathering. Always pre-test for adhesion, chemical resistance or other specific requirements. Drying: Air Dry: 12 hours. Force Dry: 325°F. (162°C) for 5 to 10 minutes. 250°F. (121°C.) for 10 to 20 minutes. Whites should not be cured above 250°F. (121°C.). When air drying, chemical resistance and hardness will be good after 72 hours but full cure may not be achieved for 7 days.

Statement

Union Ink does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSIA HR-4040 and Oeko-tex Standard 100. The plasticizers identified may include di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), (DIBP) Di-iso-butyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of our Non-Phthalate Inks. Union Ink does not test the final product for amounts of the aforementioned phthalate plasticizers and esters and encourages all users to conduct testing for their intended use.

Disclaimer:

Not all Union products are available in every country. Please check with your local representative for availability. The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during



processing over which we have no control. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.