

ORANGE “501” SOLVENT RESIST

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DESCRIPTION

Pre-polymer diazo photo-emulsion, with violet colour, indicated for preparing screens for screen printing with UV and solvent based inks

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APPLICATION FIELDS

- Screen printing (UV and solvent based inks)

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MAIN FEATURES

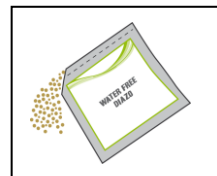
- High resistances to UV and solvent based inks
- Solvent-free
- Excellent edge definition
- High mechanical resistances
- Stripping the screen after printing is possible, if the screen hadn't been hardened

USEFUL SUGGESTIONS

- Always use perfectly degreased screens
- Emulsion drying must be achieved by putting the screens in horizontal position (printing side)
- The screens, which have been emulsified may also be exposed after 15 days, if they were not exposed to direct sunlight
- If hardened, the screens may be used within 12 hours after application, if left at room temperature, or within 30 minutes if dried into hot air oven at 50°C
- If hardened, the emulsion becomes permanent, therefore the so prepared screens may not be stripped anymore

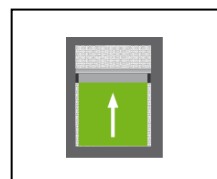
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APPLICATION



SENSITIZING

- WATER FREE DIAZO** does not need any dispersion into water, add into photoemulsion directly
- de-aeration of the photo-emulsion: 4 hours



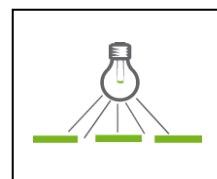
APPLICATION PROCESS

- n° EXTERNAL COATS: 1
- n° INTERNAL COATS: 1
- EXCESS REMOVAL: YES (printing side)



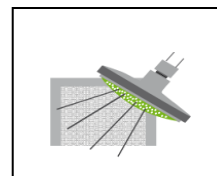
DRYING

- TIME: 60 minutes
- TEMPERATURE: 25 - 30 °C



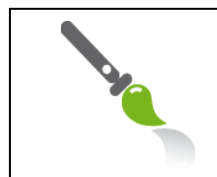
ENGRAVING

- TIME: 90 seconds
- FABRIC: 120 th/cm
- SOURCE: 5 Kw (halogen) - distance 150 cm



DEVELOPMENT

Dip the screen into water for 3-5 minutes or act through a water jet, to obtain the complete opening of the motifs.



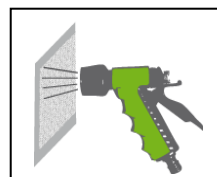
RETOUCHING

Use sensitized **ORANGE “501”**, taking care of re-exposing it.



HARDENING

DO NOT HARDEN



STRIPPING

- GREEN STRIP “P” POLVERE code KE1030
- GREEN STRIP “G” GEL code KE1040
- GREEN STRIP “L” LIQUIDO code KE1050

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STORAGE

- It is recommended to keep the products away from sunlight.
- The sensitized emulsion has 1 month pot-life, if kept in a cool place (4°-10°C).
- The non-sensitized emulsion has about 12 month shelf-life, if kept at a maximum temperature of 20°C.
- The DIAZO sensitizer has following shelf-life:
 - 10 months, if kept in a cool dry place, at a maximum temperature of 20°C.
 - 12 months, if kept at a maximum temperature of 5°C.

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RESISTANCES AND APPLICATION FEATURES

CODE	DESCRIPTION	FEATURES									
		WATER RESISTANCE	SOLVENT RESISTANCE	MECHANICAL RESISTANCE	ABRASION RESISTANCE	RESOLUTION	DEFINITION	WIDE-EXPOSURE LATITUDE	STRIPPING	SOLID CONTENT	VISCOSITY (after sensitizing)
K1E1501KIT	ORANGE "501"	4	8	7	7	8	8	8	7	32%	3000 cPs
KEY	1 = SCARCE 6 = SUFFICIENT 10 = EXCELLENT										

IMPORTANT NOTE

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