

BLUE "401" TK (WATER FREE DZ)

1 DESCRIZIONE

Prepolymer diazo photo-emulsion, with blue colour, indicated for preparing screens for textile printing with water based, plastisol and sublimation inks

2 APPLICATION FIELDS

- Textile printing (water based inks – plastisol)
- Transfer printing (water based inks – plastisol)
- Sublimatin printing

3 MAIN FEATURES

- High solid content
- High resistances to water-based and sublimation inks
- Good resistances to plastisol inks
- Solvent-free
- Good edge definition
- Excellent wide-exposure latitude
- High exposure speed
- High chemical and mechanical resistances
- Stripping the screen after printing is possible, if the screen hadn't been hardened

USEFUL SUGGESTIONS

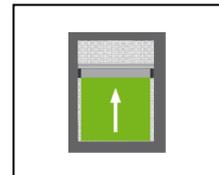
- Always use perfectly degreased screens
- Emulsion drying must be achieved by putting the screens in horizontal position (printing side)
- If hardened, the screens may be used within 12 hours after application, if left at room temperature, or within 30 minutes if dried into hot air oven at 50°C
- If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

4 APPLICATION



SENSITIZING

- DIAZO PER BLUE 401 TK does NOT need any dissolving into water, add it to the photo-emulsion directly
- DE-AERATION OF THE PHOTO-EMULSION: 4 hours



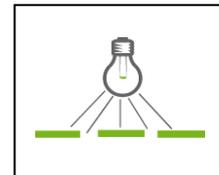
APPLICATION PROCESS

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



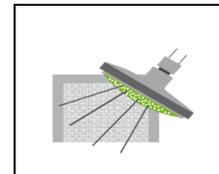
DRYING

- TIME: 60 minutes
- TEMPERATURE: 30 - 40°C



ENGRAVING

- TIME: 90 - 60 seconds
- FABRIC: 55 - 140 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.



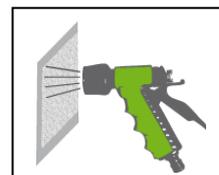
RETOUCHING

Use sensitized BLUE "401" TK taking care of re-exposing it.



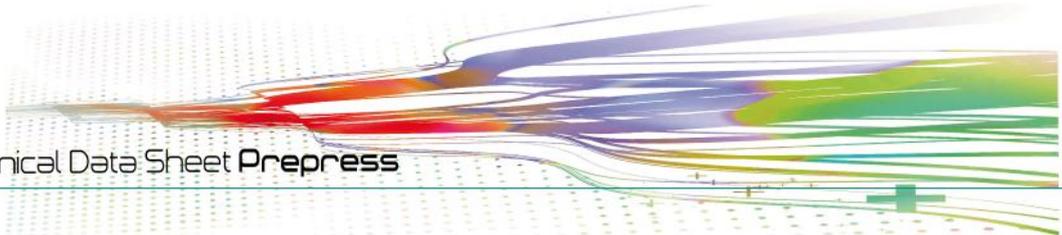
HARDENING

- GREEN FIX - code KE1010



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 photo-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)
KE1404	BLUE "401" TK	8-10	7-8	8	9-10	8	8	9	8-1	43%	8000 cPs
KEY	1 = SCARCE 6 = SUFFICIENT 10 = EXCELLENT										

IN BOLD TYPE AND WITH DIFFERENT COLOUR, THE VALUES AFTER HARDENING

IMPORTANT NOTE

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