Proxima HD (A+B)

Code M5PROXIMA

PRODUCT DESCRIPTION

Photosensitive lacquer for the realization of micro-punched cylinders for continuous textile printing. To be used with Computer to Screen engraving systems

APPLICATION FIELDS

Rotary textile printing

GENERAL FATURES

- Two component products
- Photoengraved with low power "CTS" systems at a wavelength of 405 nm
- Perfect resolution and definition of engraved designs
- Excellent adhesion to nickel
- Outstanding chemical / physical resistance
- Suitable for cylinders with high mesh count
- Purplish red color

APPLICATION PROCESS

PHOTOEMULSION PREPARATION

Add component B to component A and mix thoroughly. We recommend carrying out this operation with a mixer.
Let the mixture rest for a complete de-aeration for a period of about 4 hours.
The mixed product has a pot-life of 7 days if stored at a temperature between 4-10°C.
PROXIMA HD is highly reactive to light radiation, therefore it is necessary to operate in protected light conditions.

APPLICATION

The application of PROXIMA HD must be carried out on cylinders perfectly degreased and cleaned following the instructions below:

- double squeegee application from top to bottom
- 1 single coat
- speed: 100 cm/min.

DRYING

After coating step, dry the cylinder in a ventilated oven at a temperature between 60-65°C for a period of 90 minutes.
Before proceeding with the exposure of the cylinder it is essential to let it cool down in a room protected from light and at a maximum temperature of 20°C for at least 15 minutes.

EPTATECH S.R.L. | Via A. De Gasperi, 1 – 22070 Luisago (CO), Italy | Tel. +39 031 9090111 – Fax +39 031 920505
info@eptatech.com | www.eptanova.com

	**EXPOSURE** "CTS" systems with a wavelength of 405 nm
	**DEVELOPMENT** Proceed with the development of the cylinder engraved with an aqueous solution of Sodium bicarbonate (NaHCO3) at 1% concentration and Sodium carbonate (Na2CO3) at a concentration of 0.25%. Development time 2-4 minutes. * Washing temperature can affect the development yield.
	**FINAL WASH** Rinse the cylinder with clean water for 2 minutes.
	**DRYING** After the development, dry the engraved cylinder at room temperature or in a ventilated oven at a maximum temperature of 55°C.
	**CURING** Polymerize the engraved cylinder in a ventilated oven at a temperature of 195°C for a period of 60 minutes.
	**RETOUCH** Possible retouching can be done using the products of the Rotoret Mono series.
	**CYLINDER RECOVERY** The removal of PROXIMA HD can be carried out only before the final polymerization using a solution of NaOH at a temperature of 35-40 ° C and at a concentration between 3-5%.
	TOOLS CLEANING Tools should be cleaned with a 2-5% solution of Na2CO3. The dried lacquer can be removed with Solvent 505.

SPECIAL INSTRUCTIONS

- Always test the characteristics of the product before proceeding with the application.
- The mixture of PROXIMA HD sol A + PROXIMA HD sol B has a pot life of about 7 days if stored in the cold and away from light.
- PROXIMA HD is highly reactive to light, for this reason it must be used in red light-shielded environments at a temperature of 25 ° C with a relative humidity of 25%)

PACKAGING

CODE	PRODUCT
M5PROXIMA	5 kg Kit
PROXIMA HD sol.A	1,6 Kg
PROXIMA HD sol.B	3,4 Kg

IMPORTANT INFORMATION NOTE

The information in this technical data sheet is not exhaustive, but anyone who uses the product for any purpose other than that specifically recommended in this document without a precise written confirmation from us, does so at his own risk.

Although we strive to ensure that all the advice contained herein concerning the product is correct, we have no control over the quality and condition of the support, nor about the many factors that can affect the use and application of the product.

Therefore, except for specific written agreements, we do not accept any responsibility of a quality nature and in any way it may occur regarding the performance of the product, nor for any loss or damage deriving from the unauthorized use of the product.

The information contained in this document is subject to periodic reviews, based on experience and our policy of constant product improvement.