Quasar M NF

Code M5QUASAR NF

PRODUCT DESCRIPTION

Photosensitive lacquer for the realization of textile micro-punched cylinders. Quasar M NF is designed for an exclusive use with low power LEX systems.

APPLICATION FIELDS

Photosensitive lacquer indicated for printing with Textile inks for roto-printing.

TECHNICAL FEATURES

- 2k product
- Curable by a 488 nm wavelength laser beam
- Excellent physical adhesion on Nickel
- Excellent resolution and definition of drawings
- Excellent chemical and physical resistance
- Suitable for high mesh rotary screen
- Red color

APPLICATION PROCESS

	PREPARATION Add the component B to component A and mix carefully the mixture preferably by a mixer. Let the mixture rest for a full deareation (about 8-10 hours). The mixed product has a pot life of 7 days if stored at 4-10°C. Quasar M NF is high reactive to light and sensitive to oxygen. For this reason is necessary to use it in red light shielded rooms at 25°C and 25% relative humidity.
	**APPLICATION** Apply Quasar M NF on perfectly degreased, cleaned and dry rotary screen according to the following indications: • Double Squeegee (downwards) • 1 layer • Speed: 100-150 cm/min

	**DRYING** After application, dry into air oven at 40-45°C. for 60 minutes. Keep the coated rotary in a dark place at a maximum temperature of 25°C.
	**APPLICATION (QUASAR SECOND COATING)** Quasar second coating is necessary to allow the full reactivity of Quasar M NF with the laser source. On the rotary screen coated by Quasar M NF, apply the Quasar Second Coating according to the following indications: • Single Squeegees (downwards). • 1 layer. • Speed :30 [cm/min]. The application of Quasar Second Coating must be done within 3 days from the application of Quasar M NF.
	**DRYING (QUASAR SECOND COATING)** Immediately after application, dry into air oven at 55°C. for 30 minutes.
	**EXPOSURE** Having care to keep the coated rotary screens in a dark place and at relative humidity of 25%, the engraving must be done within 8 hours from the application of Quasar Second Coating.
	**DEVELOPMENT (QUASAR SECOND COATING)** The first development must be done by water for 2 minutes.
	**DEVELOPMENT (QUASAR M NF)** The second development must be done by a water solution of 0.35% Sodium Carbonate (Na2CO3) and 2% Sodium Bicarbonate (NaHC03) for 2-4 minutes at a temperature of 22°C. The development bath temperature and hardness may influence the development time.
	**FINAL WASHING** Wash the rotary screen by fresh water for 2 minutes.

	**DRYING** After development, dry the engraved rotary screen at room temperature or in an air oven at a maximum temperature of 55°C.
	**CURING** Cure the rotary screen into air oven at 195°C for 60 minutes.
	**RETOUCHING** The possible retouching may be made by the products of the series *Rotoret Mono*.
	**RECOVERY** The coating removal is possible only before curing by a water solution of 3-5% NaOH at a temperature of 35-40°C.
	TOOL CLEANING Tools must be cleaned with a 2-5% Na2CO3 solution. The dried lacquer can be removed with *Solvent 505*

SPECIAL INSTRUCTIONS

- Always test the characteristic of the products, before starting application.
- The mixture Quasar M NF sol A+ Quasar M NF sol B has a pot life of about 7 days if kept in a cold place (4-10 °C) and away from light.
- Quasar M NF is highly reactive to light and sensitive to oxygen for this reason must be used in a red light shielded place at a temperature of 25°C and a relative humidity of about 25%.

PRODUCT RANGE

CODE	PRODUCT
M5QUASAR NF	5 kg Kit (1,6 Kg Quasar sol A-NF +3,4 Kg Quasar sol B-NF)
163380	5Kg Quasar Second Coating
M151505	Solvente 505

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.