



Screen Chemicals



ROTOLASER 401

Code N°164183

PRODUCT DESCRIPTION

Specific lacquer for the realization of textile micro-punched cylinders through LASER ABLATION (CO₂) engraving systems

APPLICATION FIELDS

Photoemulsion indicated for printing with:

- Textile inks for roto-printing

TECHNICAL FEATURES

- COLOUR = DARK BLUE
- SOLID CONTENT = 32%
- VISCOSITY = about 2200 cPs (25°C)

APPLICATION PROCESS

Sensitizing	It does not need to be sensitized
Application	<ul style="list-style-type: none"> • Double squeegee (downwards) • 1 layer • Speed: 1' and 30" for 1 meter
Drying	35°C - 40°C for at least 30 minutes
Curing	<ul style="list-style-type: none"> • 180°C for 60 minutes or • 200°C for 45 minutes
Engraving	Through ablation laser systems
Retouching	In case, products of the series DU-RAL ARCHIM
Recovery	<ul style="list-style-type: none"> • Before curing: SOLVENTE 610 • After curing: Through laser ablation systems
Package	5 Kg
Security Data Sheet	Avialable upon request

APPLICATION:

Apply **ROTOLASER 401** onto perfectly degreased, cleaned and dry cylinders, according to the following indications:

- Double squeegee (downwards)
- 1 layer
- Speed: 1 minute and 30 seconds for 1 meter

DRYING:

Immediately after application, dry into air oven. Do not exceed 35°C - 40°C for at least 30 minutes. **Absolutely avoid room-temperature drying.**

GENERAL FEATURES

- Ready-to-use lacquer
- It does not require any sensitizer
- Excellent chemical resistance
- Excellent mechanical resistance
- Indicated for every mesh
- To be used with double squeegee application systems

CURING:

Cure the cylinder into oven at 180°C for at least 1 hour. If higher chemical-physical resistances are required, it is recommended to cure the cylinder at 200°C for 45 minutes.

ENGRAVING:

The engraving has to be realized through laser ablation systems. It is recommended to work in the usual conditions, by determining from time to time the engraving time and power, also according to the required thickness and resolution level.

RETOUCHING:

The possible retouching may be realized with the products of the series **ROTORET MONO**.

RECOVERY:

If the removal of **ROTOLASER 401** from the cylinder before curing is required, it is recommended to use **SOLVENTE 610**.

If, on the contrary, the removal of **ROTOLASER 401** from the cylinder after curing is required, use ablation laser.



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SPECIAL INSTRUCTIONS

- Always test the characteristics of the products, before starting application.
- **ROTOLASER 401**, if kept at a maximum temperature of 20°C, has a shelf-life of about 1 year.

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.