

LABITEX UV 97 MAT

Product description:

Matte self-priming varnish of UV polymerization; Designed for roll coating of flat elements of furniture for indoor use. When applying several layers of primer before subsequent varnishing with UV varnishes, intermediate grinding is required. It possesses high rub resistance, resistance to mechanical stress and improved ability to wetting of substrate.

Physical characteristics:

Flash point:	> 100°C
Solid content:	100% VOC-free
Viscosity (20 ⁰ C):	Available in versions from 200 to 400 sec ⁻¹ (DIN-4)
Gloss:	> 20
Slip angle:	20°±3°
Curing speed:	5 m/minute with lamp 60 W/cm (laboratory conditions)
Hot stamping:	No
Glueability (special glue):	No
Overprinting:	No

Special material properties:

- High mechanical resistance.
- Good substrate wetting.

Substrate:

Natural wood	***
Furniture veneer	**
Non-absorbent substrates ¹	*
Treated non-absorbent substrates ¹	**

*** Perfect suitable
** Suitable
* Tests recommended
x Not suitable

Work with material:

Equipment: Roller furniture machines of all types.

Machine mode:

All machine components, including shafts and hoses, must be adapted to work with UV polymerization materials. The speed of printing and the intensity of UV curing should ensure the drying of varnish surface.

The material should be mixed before use for at least 20 minutes mechanically.

Suitability of the UV coating for different UV curing dryers:

Hg ¹	O ₃ -free ²	Fe	Ga	LE-UV ³	LED 365	LED 395 ⁴
Yes	Yes	No	No	No	No	No

¹ standard medium pressure mercury UV lamp

² Ozone-free mercury UV lamp

³ Iron doped Ozone-free, like H-UV etc.

⁴ including LED-UV dryers with wave lengths 385 and 405 nm.

Version of 03.08.2019

STIR COATING WELL BEFORE USE!

Prior tests are recommended before any commercial work.

The information contained herein is based on our knowledge, true and correct. Any recommendations are made without guarantee, as the conditions of use are beyond our control. Our technical department may be contacted for further information.

UV COATINGS APPLICATION GENERAL GUIDLINE

Application viscosity: As supplied. It is possible to heat UV varnish to reduce viscosity and improve leveling (do not heat UV varnish over 40°C). The viscosity is strongly depends on temperature.

Polymerization: Adequate UV curing is required for full polymerization of varnish.

Equipment clean-up: Wash, suitable for UV coatings.

Prior tests are recomended!

Storage: The recommended storage temperature is 18-22°C. Guaranteed shelf life is 12 months in closed original packaging. Avoid direct sunlight.

Safe handling: Avoid any contacts with skin and eyes. All works should be proceeded in the ventilated working area. For more information, please, see the MSDS.

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STIR WELL BEFORE USE!

Notes:

- All information provided in this Technical Data Sheet (TDS) including the recommendations for application is based on our current knowledge and experiences.
- The information about technical specifications (such as slip angle or reactivity) is based on our examinations under laboratory conditions and the mentioned values can differ from the practice.
- This document is provided for informational purposes only and do not release users from carrying out their own tests and trials.
- We reserve the right to change product properties according to the newest requirements of technical progress, amendments and additions to the list of restricted raw materials. These changes do not bring negative impact on the technical characteristics of the product.

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