

LABITEX UV 288 COLD FOIL ADHESIVE

Product description:

UV-curable adhesive specially designed for cold foil stamping with curing through a foil and for lamination with UV-transparent films. It is applied by means of flexographic and flat screen printing, which makes it possible to obtain ultra-thin elements. It is used for printing commercial products on sheet-fed and roll-fed printing machines on paper, cardboard, prepared synthetic substrates.

Physical characteristics:

Flash point:	> 100°C
Solid content:	100% VOC-free
Viscosity (25°C):	1000±100 cps Brookfield CAP#4 Spindle at 900 rpm 23 °C 220±20" DIN4
Curing speed:	50 m/min at 60 W/cm (trough film under laboratory conditions)

Special material properties:

- ✓ Excellent cure response allowing for faster press speeds
- ✓ High transfer and cohesive properties
- ✓ Can be applied over a variety of UV and Hybrid inks
- ✓ Contains optical brighteners to assist with print registration

Substrate:

Paper	***	*** - Perfect suitable
Cardboard	***	** - Suitable
Non-absorbent substrates ¹	*	* - Tests recommended
Treated non-absorbent substrates ¹	***	x - Not suitable

¹Label paper, laminated cardboard and synthetic substrates (PP, PE, PVC, OPP and etc.)

Application:

Equipment: Adhesive is suitable for most types of flexographic equipment. The amount of glue applied should be sufficient for bonding the laminates and is selected depending on the specific job.

Machine mode: All machine components, including shafts and hoses, must be adapted to work with UV polymerization materials. The print speed and UV drying intensity should ensure complete drying of the surface of the material.

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	No	Yes	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.

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STIR WELL BEFORE USE!

Shelf life 6 months at a storage temperature of not more than 40°C. Keep away from direct sunlight.

Like all UV materials, LABITEX UV 288 COLD FOIL ADHESIVE can cause discoloration of pigments that are not resistant to alkali. Alkali-resistant pigments are recommended.

Ecology and safety:

For specific environmental/food compliance requirements, please contact our technicians for more information.

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.