

LABITEX UV 8080 PSA

Pressure sensitive UV adhesive for flexographic printing

Labitex UV 8080 PSA – pressure sensitive UV adhesive (permanent adhesive) for temporary or permanent bonding of various substrates like PE with low and high density, PVC, PETF, paper, metal and glass. The adhesive is pressure sensitive immediately after UV curing. Ideal for use when laminating opaque substrates. It can be used as glue for wet lamination during application, compression and curing under UV-transparent packaging film. The result is a very flexible design suitable for creating shrink packaging

Physical characteristics:

Flash point:	> 100°C
Solid content:	100% VOC-free
Viscosity (25°C):	1250±250 cps
Gloss (60°):	No
Slip angle:	No

With an optimal layer of 13g/m²

Drying speed:	30 m/min at 120 W/cm (laboratory conditions)
Adhesion (pull-out force at 180 ° PSTC-1, retention time 30 min) Stickiness with a contact area of 1 square inch	20 N/25 mm - steel 14 N - steel

Substrates:

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

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

The minimum recommended surface tension of the substrate (or surface activation energy of the films) is 42 DYN/cm.

Application:

Equipment: Adhesive is suitable for most types of flexographic equipment when applied by continuous casting or contour lines. The amount of glue applied should be sufficient for bonding the laminates and is selected depending on the specific job. Best results are achieved with a film thickness of 13 microns. As the initial conditions, anilox 70 lines of 40 high-speed lines are recommended. For fine lines, anilox of smaller cell volume can be used.

Machine mode:

Все узлы машины, включая валы и шланги должны быть адаптированы для работы с материалами УФ-полимеризации. Скорость печати и интенсивность УФ-сушки должны обеспечивать полное высыхание поверхности материала.

STIR WELL BEFORE USE!

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						

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.

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.

Storage and use

UV materials can be stored or used in stainless steel containers or in special plastic containers and dark glass containers.

Shelf life 6 months at a storage temperature of not more than 400C. Keep away from direct sunlight. Do not store material in an inert atmosphere.

Handling Precautions

All safety precautions should be followed. Use protective equipment to prevent contact with eyes and skin, and avoid breathing vapor. In case of contact with the material, immediately clean the area. Skin irritation may not occur immediately, so contact may be undetected at first.

The toxicology of this material has not been fully studied, but it is known that allergic reactions may occur. See MSDS for more information.

Like all UV materials, LABITEX UV 8080 PSA adhesive can cause discoloration of pigments that are not resistant to alkali. Alkali-resistant pigments are recommended.

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