

LAMINATION UV/LED

Laminating glues



CHARACTERISTIC

The laminating glues are a range of LED and UV adhesives (radical or cationic) for any varnishing machine.

PROPERTIES

- ❖ These glues can be applied wet-on-wet, but preferably wet-on-dry on UV inks. On top of these laminating glues, apply the transparent laminating foil, before the curing.
When using UV7002 you may also cure first, before gluing paper, carton or opaque foil on top of it.
- ❖ UV7017 (screen application) and UV7019 (flexo application) are two heat sensitive adhesives. They need a minimum of 100°C before becoming active. The higher film thickness you can apply, the better the gluing effect (bonding strength) will be.

<i>Article</i>	<i>Viscosity 21°C/DIN 4mm</i>	<i>Cure</i>	<i>Properties</i>	
			<i>Chemistry</i>	<i>Application</i>
UV7000 - Standard laminating adhesive	120 – 150 sec	Medium	Radical	Flexo
UV7001 - Standard laminating adhesive	80 – 120 sec	Medium	Radical	Flexo
UV7003 - Low migration laminating adhesive	80 – 120 sec	Medium	Radical	Flexo
UV7004 - Low migration laminating adhesive	120 – 150 sec	Medium	Radical	Flexo
UV7005 - Hotmelt Adhesive	tixotropic	Medium	Radical	Screen
UV7015 - Standard Cationic	80 – 120 sec	Fast	Cationic	Flexo
UV7017 – Heat sensitive PSA		Slow	Radical	Screen
UV7019 – Heat sensitive PSA		Slow	Radical	Flexo
UV2327 – Coldfoil Adhesive	120 – 150 sec	Medium	Radical	Flexo
LE7000 – Standard LED	120 – 150 sec	Medium	Radical	Flexo
LE7001 – Standard LED	80 – 120 sec	Medium	Radical	Flexo
LE7007 – Low Migration LED	150 – 200 sec	Medium	Radical	Flexo

TYPES

- ❖ Radical chemistry, UV and LED-drying
- ❖ Cationic chemistry, UV drying

APPLICATION AREA

- ❖ Varnishing machines / coaters / flexo / letterpress

SUITABLE SUBSTRATES (min. surface tension 38 dynes/cm)

- ❖ All kinds of paper and board
- ❖ Corona treated PE-films
- ❖ Various films and foils

SUITABLE LAMINATES

- ❖ All laminates need to be tested

This information is only meant for your guidance, we urge you to test our inks and products for your application before commencing production.

For further information:

GeKa Coatings – Clemence Dosschestraat 17 – 9800 Deinze – T: +32 9 383 88 19 - Mail : info@gekacoatings.com

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REMARKS

- ❖ Both EPDM and nitrile rollers are suitable when using our laminating glues.
- ❖ Shelf life: all laminating glues have a 12-month shelf life guarantee. This guarantee covers 12 months from the date of manufacture (which is mentioned on the label). In order to give this guarantee, certain recommendations must be followed: laminating glues should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight. If possible, store the glues in a dark room.
- ❖ Additional corona treatment to the laminate can only be an advantage.
- ❖ Stir well before use.

PACKAGING

- ❖ 10 kg jerry cans
- ❖ 25 kg jerry cans
- ❖ 220 kg barrels

ADDITIVES

- | | | |
|--------------------|-----------------------|--------|
| ❖ Wash-up solution | for manual washing | UV0009 |
| | for automatic washing | UV0002 |
| ❖ Photoinitiator | radical systems | UV0011 |
| ❖ Thinner | | UV0018 |

RECOMMENDED TREATMENT LEVELS

	PE	PP	PVC	PET	PS	PVDC	PU	ABS	PTFE	Silicone
Min.:	42	42	42	44	42	44	42	42	42	42
Max.:	54	54	54	62	54	52	56	56	56	56

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