

# PRESSURE SENSITIVE ADHESIVES



## CHARACTERISTIC

These pressure sensitive adhesives are a range of radical curing LED and UV glues for various graphical and industrial applications.

## PROPERTIES

- ❖ Transparent light yellowish liquid
- ❖ Ready to use product
- ❖ Good adhesion on paper, cardboard, various films and foils, steel, wood,...
- ❖ Adhesive strength can be monitored with changing applied amounts and/or degree of UV/LED curing
- ❖ These glues show very good flexibility when bended or folded
- ❖ No nitrogen inertisation is necessary

## TYPES

	Article	Viscosity 25°C/DIN 4	Curing	Application
UV7002	PSA	150 - 200	UV	Screen
UV7006	PSA medium viscosity	80 - 120	UV	Flexo
UV7011	PSA high viscosity	150 - 200	UV	Flexo/Screen
UV7023	PSA low viscosity	60 - 100	UV	Flexo
UV7016	PSA low migration	90 - 130	UV	Flexo
UV7018	PSA low migration bluish	80 - 120	UV	Flexo
LE7006	PSA medium viscosity	80 - 120	LED	Flexo

## APPLICATION AREA

- ❖ Screen
- ❖ Flexo
- ❖ Letterpress
- ❖ Coaters

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](mailto:info@gekacoatings.com)

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## REMARKS

- ❖ EPDM rollers are recommended when using our pressure sensitive adhesives.
- ❖ Shelf life: all PSA's have a 12 month shelf life guarantee. The expiry date is mentioned on the label. In order to give this guarantee, certain recommendations must be followed: the products should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight. If possible, store the products in a dark room.
- ❖ Additional corona treatment to the films and foils can only be an advantage.
- ❖ All products should be well stirred or mixed before use.
- ❖ All surfaces must be free from grease, clean and dry before coating.
- ❖ Typical amount applied is 6 to 12g/m<sup>2</sup> in flexo and 10 to 40 g/m<sup>2</sup> in screenprinting.
- ❖ Recommended printing temperature: 18 to 30°C.
- ❖ Storage: please use FIFO (first in, first out) principle.

## CURING SPEED

UV curing speed is 200MPM with 2 lamps of 120W/cm. The curing depends on the kind of UV curing unit (reflectors, age and power of UV lamps, the printed glue layer thickness and the belt speed of the UV curing unit).  
In LED applications we recommend a system with 32W/cm<sup>2</sup> and a wavelength of 385nm.

## SAFETY

UV/LED adhesives are formulated free of heavy metals and comply with EN71/3 standard. These adhesives are reach compliant and free from SVHC substances (Reach annex XIV) and substances mentioned on the candidate list. Please consult the MSDS for more details.

## PACKAGING

- ❖ 10 kg plastic pails
- ❖ 25 kg plastic pails
- ❖ 220 kg metal barrel

## ADDITIVES

- |                    |                       |        |
|--------------------|-----------------------|--------|
| ❖ Wash up solution | for manual washing    | UV0009 |
|                    | for automatic washing | UV0002 |
| ❖ Photoinitiator   | for UV system         | UV0011 |
|                    | for LED system        | UV0013 |
| ❖ Thinner          |                       | UV0018 |

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