

FLEXO

UV2000



PROPERTIES

- ❖ Good adhesion on paper, cardboard, OPP lamination film and a broad series of screen and offset inks.
- ❖ Adhesion on other substrates should be tested prior to printing
- ❖ These varnishes show good flexibility, when bended or folded
- ❖ The varnishes are press-ready to print for flexo
- ❖ The varnishes are low in odour
- ❖ The varnishes can be printed over offset inks
- ❖ Quick and safe drying

Ref.	Characteristics	Gloss	Viscosity 21°C DIN 4 in sec
UV2000	Standard UV flexo varnish	High	40 – 60
UV2001	High reactivity	High	50 - 80
UV2002	Gluable varnish	High	40 – 60
UV2005	Gloss varnish benzo-free	High	50 – 80
UV2006	Low odour varnish gluable benzo-free	High	40 – 60
UV2007	Low migration varnish	High	60 – 100
UV2009	Varnish for overprinting digital inks	High	50 – 80
UV2011	High slip varnish	High	55 – 70
UV2014	Primer for difficult substrates	High	40 – 60
UV2015	Matt primer for difficult substrates	Low	90 – 120
UV2019	Low Migration Silky Matt	Medium	70 – 100
UV2020	Gloss varnish for IML	High	60 – 80
UV2025	Matt varnish	Low	40 – 60
UV2027	Gloss, for thermal paper	High	60 – 100
UV2028	Higher slip version of UV2001 for perfecting jobs	High	55 – 70
UV2039	Gluable and high slip	High	60 – 80
UV2041	Anti-static varnish	High	60 – 80
UV2046	High gloss and good rubresistance	High	60 – 90
UV2047	Primer for difficult substrates	High	100 – 120
UV2050	Non yellowing varnish gluable benzofree	High	50 – 80
UV2051	Non yellowing matt varnish benzo-free	High	60 – 90
UV2057	Release varnish for film and foil	Medium	50 – 80
UV2060	Gluable, primer, high viscosity	High	120 – 150
UV2062	Rough texture, matt	Low	N.A.
UV2068	Soft touch matt	Low	70 – 100
UV2071	Release varnish for duo label	High	60 – 90
UV2073	Static varnish for duo label	High	150 – 180
UV2075	Standard UV flexo varnish	High	40 - 60
UV2085	Release varnish for paper and carton	High	55 - 70
UV2087	Low migration gloss varnish for IML	High	70 – 100
UV2091	Low migration release varnish duolabel	High	60 – 90
UV2093	Low migration static varnish duolabel	High	150 – 180
UV2094	Low migration, gluable	High	60 – 100

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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UV2099	Low energy gloss varnish	High	60 – 90
UV2100	Low migration satin varnish for IML	Low	60 – 100
UV2101	Low migration, gluable, matt, also for IML	Low	100 – 150
UV2107	Low energy low yellowing gloss varnish	High	60 – 90
UV2112	Gluable, stampable for paper/carton/treated PE and PP	High	40 – 60
UV2121	Low migration, for foil	High	50 – 80
UV2126	Satin, low migration, IML	Medium	50 – 80
UV2134	Anti-slip	High	60 – 90
UV2137	Low Migration Release varnish	High	50 – 80
UV2140	Gloss primer	High	70 - 100
UV2141	For direct contact (max. 8h)	High	40 - 80
UV2145	Matt Release Varnish	Low	70 – 100
UV2155	Low Migration, matt, gluable	Low	90 – 120
UV2164	Gluable, low migration, high surface tension	High	50 – 80
UV2167	For exterior application	High	60 - 90
UV2168	Non yellowing primer for exterior use	High	90 - 120
UV2194	Low migration gloss varnish	High	60 - 90
UV2195	Low migration varnish	High	60 – 100
UV2201	High reactivity	High	50 - 70
UV2214	Matt, good runability	Low	60 – 90
UV2215	Low energy matt varnish	Low	40 – 60
UV2216	Low energy high gloss	High	40 – 70
UV2226	Anti-bactericide, gloss	High	50 – 80
UV2228	Mat, rubresistant and gluable	Low	70 - 100
UV2232	Matt, low migration, good runnability and slip	Low	80 - 120
UV2242	Very high slip and very good adhesion	High	60 - 90
UV2250	Luminescent properties, gloss, benzofree	High	50 – 80
UV2296	Low migration, gloss, TTR	High	80 – 100
UV2336	Low penetration,gloss	High	100 - 120
UV2367	Matt, low yellowing, gluable	Low	70 - 100

UV CURING SPEED

Curing speed is 200MPM with 2 lamps of 120 Watt/cm

The curing depends on the kind of UV curing unit (reflectors, age and power of the UV lamps, the printed ink layer thickness and the belt speed of the UV curing unit). In certain cases the flow and the gloss can be improved by passing prints under IR lamps prior to UV curing.

POST CURING

The adhesion of the varnish is best evaluated after 24 hours. In this time interval, a post curing effect takes place during which the varnish cools down and the UV chemical termination reaction happens, resulting in better adhesion

SAFETY

UV varnishes are formulated free of heavy metals and comply with EN 71/3 standard.

These varnishes are REACH compliant and free from SVHC substances (Reach annex XIV) and substances mentioned on the candidate list (last update 16.12.2014).

Please consult the MSDS.

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SHELF LIFE & STORAGE

When the UV varnish is stored between 15 and 20°C in its closed original can, shelf life will be minimum 12 months from date of manufacture.

REMARKS

1. All surfaces must be free from grease, clean and dry before coating.
2. The surface to be printed should at least be 38 dynes/cm. Any tension lower than 38 will inevitable result in a poor or no adhesion. We strongly recommend that the surface tension be measured prior to printing in order to avoid claims from the end user of the printed product.
3. The surface tension of the cured film with non gluable varnish is < 34 mN/m.
4. We also strongly recommend, before starting the varnishing, to check the print for bleeding resistance, as certain pigments in the inks tend to bleed, when overlacquered with UV varnishes.
5. All varnishes, but especially satin and matt lacquers, should be well stirred or mixed before use.
6. The remarks in this TDS apply to the mentioned varnishes in the list.