Frimpeks UV Curable Flexo Inks

A newly developed ink series for flexible packaging, self-adhesive labels and wrap-around labels.

Product Range:

Process inks, base colors, PANTONE® inks are available. Special hues are available on request.

Technical Details:

- good adhesion
- low odor
- low viscosity
- solvent free
- fast curing (high reactivity)
- very good runnability
- suitable for varnishing and hot foil stamping
- suitable for printing on thermal-papers

Remark:
Before beginning to print we recommend pretests, in order to test the desired characteristics of the finished product.

Printing Details:

Printing Speed: Up to 150 m/min
Anilox Volume:

700/900 CPI	Process Colors	3-4 cm3/m2 (1.9-2.5 BCM)
250/550 CPI	Solid Colors	5-10 cm3/m2 (3.5-6 BCM)

Packaging:

Standard Packaging: 5 KG buckets

Technical Service:

Kindly note that we are ready at any time for competent technical application support on your site.
Please contact our technical staff for printing inks:
chemicals@frimpeks.com

Storage:

Optimal Storage Conditions
The optimal storage temperature is between 5°C to 25°C.
Higher storage temperatures reduce the shelf-life.

Remark:
- protect from frost
- store in a cool and dark place
- stir well before use
- the lid must be closed immediately after usage

Warranty:
If the inks are stored correctly, we guarantee a shelf life of 12 months from date of production.
However, we know from practical experience that the inks can remain usable for longer periods if they are properly handled and stored.

Cleaning:

We recommend using ester and ketone resistant rollers (EPDM-material).
The inking roller, anilox roller and printing plate have to be resistant against UV based inks and detergents (see manufacturer's instructions).

Frimpeks Kimya ve Etiket Sanayi Ticaret A.S.
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Technical Information

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			Lightfastness	Alkali	Solvent
Type		**Product Denomination**	**According to ISO 105 B01 specification**	**According to ISO 2838 specification**	**According to ISO 2837 specification**
	Pigment Group		**1 to 8 blue scale 8-Excellent / 1-Poor**	**1 to 5 5-Excellent / 1-Poor**	**1 to 5 5-Excellent / 1-Poor**
Process Color	PY 13	Pr. Yellow	4/5	5	4/5
Process Color	PR 57:1	Pr. Magenta	4/5	2	3
Process Color	PBlue 15:3	Pr. Cyan	7	5	5
Process Color	PBlack 7	Pr. Black	7	5	5
Special Color	PBlack 7	Dense Black	7	5	5
Base Color	PY 13	Yellow	4/5	5	4/5
Base Color	PY 74	Yellow LF	6	5	4
Base Color	PO 34	Orange	5	5	4
Base Color	PR 53:1	Warm red	2	2	4
Base Color	PR 112	Mid red (032)	5	5	3/4
Base Color	PR 57:1	Rubine Red	4/5	2	3
Base Color	PR 185	Rubine Red LF	6/7	5	5
Base Color	PR 81:5	Rhodamine red	3/4	2	2
Base Color	PR 122	Rhodamine red LF	7	5	5
Base Color	PV 1	Purple	4	2	2
Base Color	PV 3	Violet	4	2	2
Base Color	PV 23	Violet LF	7	5	5
Base Color	PBlue 15:3 / PV 23	Reflex blue LF	7	5	5
Base Color	PBlue 15:3	Blue	7	5	5
Base Color	PG 7	Green	7	5	5
Base Color	PBlack 7	Mixing Black	8	5	5
Base Color		Transparent White			
Base Color	PW 6	Opaque White	8	5	5

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Marking:

Marking according to EU legislations:
Our inks are fully adhering to regulations such as Reach, 1272/2008 CLP, 453/2010 EU, ROHS 2002/95/EU, and/or 528/2012 EU regulations.
All material safety data sheets (MSDS) are available on request.

Declaration of Composition and Product Declaration:

CEPE / EuPIA – Exclusion List
CEPE is the European Council of producers and importers of paints, printing inks and artists colours whereas EuPIA is the European Printing Ink Group of CEPE. The printing ink industry voluntarily came up with the Exclusion List for specific substances many years ago. The raw materials used by Frimpeks for the formulation of our printing inks/varnishes meet the guidelines of the CEPE / EuPIA Exclusion.

Heavy Metals
CONEG stands for Coalition of North-Eastern Governors in the USA. One of their legislations, adopted by 18 states as of 1998, requires reductions in the amount of the four heavy metals mercury, lead, cadmium, and hexavalent chromium in packaging and packaging components sold or distributed in their member states. For Frimpeks printing inks/varnishes the limits for heavy metals as listed in the CONEG-Regulation (USA) are met. The Euro Norm 71.3 refers to the max level of heavy metals in children's toys. For Frimpeks printing inks/varnishes, the limits for heavy metals as listed in the DIN EN 71-3 are met.
Heavy metals are no part of our formulations.

Hazardous substances
Substances mentioned in the directive 2002/95/EC (RoHS) are not intentionally used in our formulations printing inks/lacquers.

SVHC-substances (substances of very high concern):
In our products no substances are used which meet the criteria of SVHC-substances (substances of very high concern).
SVHC-substances are substances which are classified as CMR 1 & 2, PBT (PBT pollutants are chemicals that are toxic, persist in the environment and bioaccumulate in food chains), vPvB (Substances that are potentially very persistent and very bioaccumulative) and endocrine disruptors (artificial hormones).

The substances listed in the guide line 67/548/EEC (amended by the directive 2006/121/EC) and in the guide line 76/769/EEC are not part of the formulation of our printing inks/lacquers. Furthermore, we confirm that our printing inks/lacquers are in accordance with the EC regulation 1895/2005 (repeals the guide line 2002/16/EC).

Quality Assurance:

ISO 9001
The production site of Frimpeks is certified according to DIN EN ISO 9001:2008 and DIN EN ISO 14001:2005 (corresponds to EN ISO 14001 edition 2009).

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