

FLEXIBLE PACKAGING

The Solvent-Based Ink portfolio

MAXIMUM TECHNOLOGICAL FLEXIBILITY FOR EVERY APPLICATION AND DEMAND.

Flint Group Packaging Inks Europe offers a broad range of solvent-based ink systems for all packaging applications.

The product package includes a variety of Standard Ink series as well as a wide range of individually formulated and designed specialities.

Each range is optimised for defined applications and can be adapted to fulfil further technical and product resistance demands.

For the categorisation and branding of the portfolio, the chemistry of the main binder as well as the application of the ink is taken into consideration.

Chemistry:

The ink portfolio is mainly based on the following different types of **binder chemistry** (level 1)

1.	NC	Nitrocellulose	Gravure Flexography	Pluri Flexi	Range Range
2.	PVB	Poly-Vinylbutyral	Gravure & Flexography	Omni	Range
3.	PA	Polyamide	Flexography	Pamio	Range
4.	AC	Acrylic	Gravure & Flexography	Crylo	Range
5.	PVC	Poly-Vinylchlorid	Gravure	Elio	Range
6.	CAP	Celluloseacetobutyrat	Gravure & Flexography	Pro	Range
7.	PU	Polyurethan	Gravure & Flexography	Vario	Range

Depending on the chemistry and besides the Pluri-solvent system (standard), a wide range of mono-solvent products for gravure application in combination with solvent recovery systems as well as LEC (low ethanol content) versions are available.

Application:

Each product is further described by its application category (level 2)

		NC	PVB	PA	AC	PVC	CAP	PU
Surface Print on Film	Star	+		+	+			
Surface Print on Paper, Foil	Cel	+	+	+	+			
Surface Print and Lamination	Print	+	+				+	
Lamination only	Lam	+	+			+	+	+
Bottle Caps	Cap	+	+			+		
Specialities	Tech	+	+	+	+	+	+	+

Chemistry + Application = Flint Group Solvent-Based Portfolio

Solvent-Based Ink Portfolio

Examples of the portfolio branding:

- PluriPrint NC Gravure Ink systems for Surface & Lamination printing
- PluriTech NC Gravure Ink systems for Special Application (e.g. Shrink Sleeve)
- FlexiStar NC Flexography Ink systems for Surface Print only
- OmniLam PVB Ink systems for Lamination only
- ProCel CAP Ink systems for printing on Paper
- ElioCap PVC Ink systems for Wine caps
- VarioLam PU Ink systems for Lamination only

Flint Group offers customer service from our service laboratory and our printing unit including the possibility of developing complete solutions for various applications. For further details or specific technical information, please contact your local technical customer service.

Beside the range of coloured inks and white, Flint Group offers a complete range of **Primers and Overprint varnishes** to fulfil the market requirements of flexible packaging

- **PreCoat** Range of primers to be printed directly on the substrate in order to achieve adhesion of standard products applied on top
- **TopCoat** Range of varnishes to be printed on top of a printing structure and/or substrate, used to achieve enhanced properties

The overall portfolio is completed with a specific range of products suitable for **cigarette/tobacco application**.

- HLB, Softpack, OuterWrap
 - Overprint Varnishes
 - Tipping
 - Film Overwrap
 - InnerLiner (Pigment Based)
 - InnerLiner (Dye Based)
- Sentry®Box**
Sentry®Coat
Sentry®Tip
Sentry®Film
Sentry®Film
Sentry®Dye

Mainly for Nitrocellulose based applications, a modular concentrate concept (**building block technology**) has been developed in order to maximise formulation and application flexibility, performance and costs.

The **major pillars** of such concepts are:

- **Concentrates** (Monopigmented bases at maximised colour strength and optimised flow properties)
- **Technical Compounds** (Technical varnishes to transfer bases into high performance inks)
- **Clear Bases and Extender** (Adjustment of colour strength)
- **Additives** (Enhanced application range, Customisation)

For more details on our solvent-based ink portfolio, please contact your nearest Flint Group office or dealer.

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