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

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):

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<tbody>
<tr>
<td>Surface Print on Film</td>
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<td>Surface Print on Paper, Foil</td>
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<td>Surface Print and Lamination</td>
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<td>Lamination only</td>
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<td>Bottle Caps</td>
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Chemistry + Application = Flint Group Solvent-Based 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  **Sentry®Box**
- Overprint Varnishes  **Sentry®Coat**
- Tipping  **Sentry®Tip**
- Film Overwrap  **Sentry®Film**
- InnerLiner (Pigment Based)  **Sentry®Film**
- InnerLiner (Dye Based)  **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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