

UV flexo primer

Printing UV inks on film and foil substrates can pose problems in terms of adhesion and scratch resistance; especially at high press speeds. And the additives used to improve these properties usually make the inks inappropriate for food packaging.

Spring has solved this problem with the UV ink primer, **FLOW-LV**.

End application

With excellent tape-off test results, **FLOW-LV** allows you to print on most corona treated films and foils. In addition, **FLOW-LV** is formulated in compliance with the Swiss Ordinance. Due to **FLOW-LV**'s improved adhesion, migration risk due to in-reel transfer is reduced or even eliminated.

Printing

FLOW-LV should be evaluated at different coat weights depending on the substrate nature and the print speed.

Start at a low coat weight and increase coat weight as needed to achieve optimal printability and drying. **FLOW-LV** is intended for film and paper substrates. Adhesion tests should be made prior to industrial production.

- **Dry Coat Weight Indication:** Apply 1,5 - 5 g/m² dry coat weight depending on substrate.
- **Drying:** UV radical
- **Directions for use:** Stir well before use

Ink properties

- **Physical properties**
 - Chemical nature: Proprietary Mixture Polymer
 - Appearance: Translucent liquid
 - % solids: 100%
 - Average Viscosity: 2000 - 2100 cP (23°C)
 - Specific Gravity: 1,05
- **Storage**
 - 12 months after the ship date in a closed container.
 - Keep in a ventilated space between 5°C – 30°C.
 - Do not expose to light.
- **Packaging**
 - Pail (5 / 10 / 20 liters).

Cleaning

Spring also supplies cleaning solutions:

- **UV-499** Cleaner for metal parts; effective for UV inks and coatings
Attention: may swell photopolymer printing plates
- **SoftClean** Maintenance cleaner for anilox cylinders; effective for UV and water-based inks and coatings