

## Water-based HP Indigo primer

**EI-15981** is a water-based HP Indigo receptive coating formulated to provide adhesion on PVC, treated films, papers and synthetic substrates.

### **End application**

**EI-15981** allows HP Indigo inks to be printed on PVC, treated films, papers while maintaining excellent adhesion, abrasion resistance and high color quality. This primer also shows very good barrier properties against water, grease and chemicals.

### **Printing**

**EI-15981** should be evaluated at different coat weights depending on the roughness and porosity of the substrate.

Start at a low coat weight and increase coat weight as needed to achieve optimal printability and drying. "Flaking off" indicates too high a coat weight while ink smearing and poor adhesion or scratch resistance may indicate too low a coat weight.

- **Dry Coat Weight Indication:** For papers, apply about 5 g/m<sup>2</sup> dry coat weight matching a 12-15 cm<sup>3</sup>/m<sup>2</sup> anilox cylinder.  
For films, apply 2-3 g/m<sup>2</sup> dry coat weight matching a 7-8 cm<sup>3</sup>/m<sup>2</sup> anilox cylinder.
- **Drying:** IR and/or forced-air oven. Good airflow as well as high temperatures are essential to complete drying and press speeds may need to be adjusted according to drying capacity.
- **Directions for use:** Simple mixing just before application is recommended to prevent the coating from settling. Stir well before use.

### **Ink properties**

- **Physical properties**
  - Chemical nature: Proprietary Mixture Polymer
  - Appearance: Opaque liquid
  - % solids: 45-48 %
  - Viscosity: 200-1200 mPa.s (23°C)
  - Specific Gravity: 1,2
  - pH: 8,0 - 10,0
- **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.

### **Cleaning**

Drain coating from pan, rinse with water and cleaners.

Spring also supplies cleaning solutions:

- **NC 32** General cleaner for water-based inks and coatings
- **SoftClean** Maintenance cleaner for anilox cylinders; effective for UV and water-based inks and coatings