

## Ink Jet Primer for UV Inks

**IJP-16151** is a water-based ink jet receptive primer formulated to allow high quality UV ink jet printing on a wide variety of substrates including treated BOPP, PS, PE, PET, PA and aluminum.

In addition, **IJP-16151** will seal porous papers to allow high quality UV ink jet printing with increased ink densities and excellent adhesion.

### **End application**

**IJP-16151** allows high quality ink jet printing on plastics, papers, synthetic papers and aluminum. This ink jet primer provides high density colors, improved adhesion and scratch resistance after printing with no topcoat or overlay.

**IJP-16151** also shows very good barrier properties against water, grease and chemicals.

### **Printing**

**IJP-16151** should be evaluated at different coat weights depending on the roughness and porosity of the substrate. Higher coat weights tend to improve color density and adhesion.

Start at a low coat weight and increase coat weight as needed to achieve optimal printability and adhesion. If using multiple anilox rollers, always start from a lower coat weight to a higher coat weight.

- **Dry Coat Weight Indication:** 5 g/m<sup>2</sup> dry coat weight matching a 12-15 cm<sup>3</sup>/m<sup>2</sup> anilox cylinder is a good target coat weight.
- **Drying:** IR and/or forced-air tunnel. 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.

### **Primer properties**

- **Physical properties**
  - Chemical nature: Proprietary Mixture Polymer
  - Appearance: Yellowish translucent liquid
  - % solids: 43-45 %
  - Average Viscosity: 25-175 cps (25°C)
  - Specific Gravity: 1,05
  - pH: 7,0 – 8,0
- **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