

## INK JET RECEPTIVE COATING: IJC-10551

IJC-10551 is a waterbased ink jet receptive coating formulated to allow high quality ink jet printing on films, papers and synthetic papers. IJC-10551 allows waterbased ink jet inks to be rapidly absorbed and dried when printed on non-porous substrates.

**Coat Weights:** IJC-10551 should be evaluated at different coat weights depending on roughness, porosity of the substrate and how fast the desired ink absorption is. Coat weights of 5-10 g/m<sup>2</sup> **dry** should be a good starting point; IJC-10551 is roughly 35% solids. 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, not drying fast enough indicates too low a coat weight.

**Suggestions for use:** Mix well before using, some components tend to settle over time.

**Drying:** In general, drying should be achieved with forced air at temperatures of 65-120 °C at press speeds of 45-120 m/min. Good airflow as well as high temperatures are essential for complete drying.

Clean Up: drain coating from pan, rinse with water and detergents. Do not use ammonia, it may cause coating to gel.

### Technical Characteristics

Drying	Hot Air
Gloss	Matte white
Viscosity (cPs @20° C)	1500-2000
Suggested dry coat weight (cm <sup>3</sup> /m <sup>2</sup> )	5-10 g/m <sup>2</sup> *
Press Speed (meters/min.)*	
Substrate Compatability*	
% solids	35 +/-5
pH	6 +/- 1
Low migration	yes

+++= excellent

++= good

+ = acceptable

- = poor

\*: always validate new combinations of ink and substrate as well as press settings prior to industrial production

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