

DYNAMIC BARRIER

DESCRIPTION OF THE PRODUCT

Dynamic Barrier is a water based varnish which has antifreeze (down to -21°C) properties. The product act as a good water barrier and is with frozen release properties.

Dynamic Barrier is recommended for use on off-line coaters for an optimum result.

KEY FEATURES AND BENEFITS

- Excellent leveling and coverage.
- Very good water and grease resistance.
- Excellent frozen release.
- Can be cop/mark with marker ink with an appropriate substrate to use.
- Flexible enough for most of the substrates and inks used in the market.

DIRECTION OF USE

Use directly from container. It is highly recommended to shake/stir the contents before use for the optimum performance of the varnish.

Do not leave product expose to air. Some ingredients may evaporate and this will affect the physical properties and performance of the product.

Check viscosity before use and from time to time. Add water when necessary to maintain the running viscosity.

TYPICAL PHYSICAL PROPERTIES

Appearance	: Milky white emulsion.
Boiling point range	: $> 100^{\circ}\text{C}$
Specific gravity	: 1.040 - 1.050 g/ml @ 25°C
Volatile contents	: approximately 57% w/w
pH	: 7.8 - 8.8
Solubility in water	: Dispersible in water.
Viscosity	: 40 - 50 secs @ 30°C with DIN #4 cup.
Flash point	: Non flammable or combustible product.

OTHER INFORMATION

Properties of the varnish is very much depending to the substrate, ink, spray powder, coating machines, heating elements as well as the printing job conditions.

