

## DYNAMIC CALENDERING COATING

### DESCRIPTION OF THE PRODUCT

- Dynamic Calendering Coating is water-based varnish for printed paper designed for offset in-line coating and calendering or non-calendering system with very high gloss and good rub resistance

### SPECIFICATION

Property	Dynamic Calendering Coating	Remark
Resin	Styrene/acrylic co-polymer	
Appearance	Opaque emulsion	
Viscosity	30±4sec/25°C	Zhan Cup #4 [Rigo]
Non volatile content	38±2%	150°C, 30min
Stability	Good	
Application system	Offset in-line wet on wet coating Calendering or non-calendering system	
Diluents	Water	
Application viscosity	22±4sec (In-line coating)	Zhan Cup #4 [Rigo]
Drying	Medium	
Gloss	75-90 (calendering) 55-70 (non-calendering)	60°Gloss
Adhesion	Good/Good	Scotch tape/Scratch
Rub resistance	500-800 times (calendering) 100 times (non-calendering)	Load 500g (Gakusin type)
Anti-blocking temp.	50°C	80%RH, 300g/cm <sup>2</sup> , 24Hr
Glue ability	Good	Em type (Life Bond AV-650Y-4)
	Good	Hot-melt type (Nittait HC-220)
Slide angle	25±3° (calendering)	face-to-face

- These properties are typical but do not constitute specifications.
- Performance characteristics will vary depending upon coating weight, porosity of substrate and type of ink used.

