

WB 009-80

TECHNICAL DATA: AQUALINE GLOSS INK

- ◆ A high gloss emulsion suitable for double sided application.
- ◆ Developed to have high rub resistance.
- ◆ Suitable as a primer for UV overcoating.
- ◆ Suitable for indirect food contact.

TECHNICAL CHARACTERISTICS:

Viscosity (DIN 4 @ 20°C)	75-90 Seconds
PH	7.8-8.8
Solids	38-42%
Gloss (Sheen @ 60°)	
Gloss Art paper	>85%
Good quality carton board	75%
Standard carton board	45-70%
Drying Speed	Medium - Fast
Rub Resistance	
Gloss Art paper	>1200 rubs
Good quality carton board	>1000 rubs
Standard carton board	>1000 rubs
Slip Values	Static - 0.40. Dynamic 0.30
Heat Resistance	140°C.

APPLICATION CHARACTERISTICS

Single/Double Sided	Double
Recommended Minimum back up time	120 minutes
Minimum Substrate Grammage	115 gsm
Glueable	Yes
Foil Blockable	Yes
UV Varnishable	Yes
Recommended film weight	Typically 4-7gsm wet

WB 009-80 is suitable for application via the majority of in-line coaters on Heidelbergs, Komori's, Mitsubishi, Roland, KBA, Ryobi, etc... Application can be via conventional three roller methods or anilox systems.

GENERAL TECHNICAL DETAILS:

WB009-80 has been formulated to provide a high gloss finish, whilst possessing suitable re-solubility characteristics making it recommended for double sided work and turn applications. Back up times will depend however on substrate type, ink film weight and press conditions, although it is recommended that printed material has been left to set for at least 120 minutes prior to re-working.

WB009-80 does not contain any detrimental surface tension modifiers, and is therefore suitable for subsequent finishing operations such as foil blocking, gluing, lamination and UV varnishing.

WB009-80 is not suitable for application to substrates below 115gsm. Lower grammage stocks may exhibit distortion or curl.

Optimum drying conditions would include the use of hot air knives, and IR lamps. IR lamps should be kept to a minimum, with direct stack temperatures not falling below 27°C or rise above 34°C. For short runs, stack temperatures may not reach the optimum figures, and this must be considered if attempting to back up work rapidly.

Light application of a middle grade spray powder is recommended.

STORAGE AND HANDLING:

Waterbased emulsions should not be exposed to temperatures below 5°C or above 35°C. During cold months, it is recommended that containers are kept off of cold floors and stored on pallets.

'AquaLine' emulsions have a 12 month shelf life - if unopened and stored in the correct conditions. Manufacture date is available on the label.

Waterbased emulsions are non hazardous and require no special storage or labelling.

DISCLAIMER:

The information contained in this product data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the optimum use of the named product and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.