

TECHNICAL DATA: AQUALINE DUCT INK

- ◆ High gloss emulsion specifically designed for application via the ink duct.
- ◆ Fast drying and developed with superior rub resistance provides maximum press speed potential with minimum transfer times between print and finishing.
- ◆ Excellent stability and press performance.
- ◆ All the benefits of water based emulsions without the need for a dedicated coating unit.

TECHNICAL CHARACTERISTICS:

Viscosity (DIN 4 @ 20°C)	280-320 Seconds
PH	7.8-8.4
Solids	70-75%
Gloss (Sheen @ 60° on Gloss Art)	70-75
Drying Speed	Medium
Rub Resistance (BS 3110:1959)	1000 rubs - Laboratory testing
Slip Values	High
Heat Resistance	110°C.

WB 007 is suitable for use in the carton, commercial and magazine sectors, and is recommended for food work if contact is indirect. WB 007 is not suitable for direct food contact. WB 007 is also suitable for use on toy packaging and certain school materials. WB 007 is suitable for application via the ink ducts on all popular presses, including Heidelberg, Komori, KBA, and Roland.

APPLICATION CHARACTERISTICS:

Single/Double Sided	Single
Recommended Minimum back up time	N/A
Minimum Substrate Grammage	115 gsm
Glueable	No
Foil Blockable	No
UV Varnishable	No
Recommended film weight	Typically 2-4gsm wet

GENERAL TECHNICAL DETAILS:

WB 007 has been formulated for application via ink ducts and can be applied in-line over wet ink as well as off-line. The coating dries via a combination of penetration and evaporation and requires accelerated dryers in the form of hot air knives and IR lamps. Optimum stack temperatures are 28-32°C. A slight application of a medium to large sized spray powder is recommended.

WB 007 can be applied as a dry solid using a rough grained aluminium plate or as a spot image by stripping a blanket or by employing a photo-polymer plate.

Upon starting up, it is recommended to apply a heavier than usual film weight. This will assist with any initial drying/stability problems. The film weight can be reduced as required. During press stops, the plate and blanket should be cleaned using either warm water or a dedicated wash. Upon starting up the rollers should be sprayed with a fresh start retarder in order to ensure a clean start up.

WB 007 contains silicones that are unsuitable for gluing or foil blocking. An alternative product is available if required.

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. The Pulse Printing Products range of '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.



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