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NYLON BAG SCREEN INKS

APOLLO NYLON inks are designed for printing direct onto Nylon and other synthetic fabrics such as polyesters, cottons, and cotton/polyester blends. These inks offer excellent adhesion, flexibility and covering power. It is recommended that they are cured as a two pack catalysed system to achieve the best results. Although they may be used uncatalysed where less demand is put on the performance of the ink.

PRINTING & MILEAGE: All types of stencil are suitable except Stenplex Amber and solvent fix films. 34 – 62T monofilament screens for maximum coverage. For fine detail 77 – 110T may be used. Using a 43T mesh, coverage of approximately 15 sqm/kg can be expected.

THINNERS:

Thinner	R102
Gel Retarder	R160

DRYING: Air-dry in 40 - 60 minutes depending on ambient temperature, followed by racking overnight. Inks may be forced dried at 100c for 2 – 3 minutes.

MIXING: When using these inks as a catalysed system the following ratio for mixing should be followed:

Ink	9 parts	BY WEIGHT
	Catalyst	1 part BY WEIGHT

NB63 Overprint Varnish should be mixed 9 parts ink : 2 parts Catalyst. Add half the required catalyst, mix well then add the rest after mixing then add any thinner required, once again a little at a time.

Once mixed, a pot life of approximately 8 hours can be expected depending on temperature. Excess catalyst can result in an extended cure time, and tacky surface. Certain materials may be treated with water resistant chemicals which may affect the adhesion of the inks, and testing prior to a production run is recommended.

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FLEXIBILITY: Nylon Bag Flexibility Additive may be added to CATALYSED inks in the following ratio:

Catalysed Nylon Bag Ink	100 parts by weight
Flexibility Additive	10 parts by weight

ACCELERATOR S8977 Accelerator may be used to increase the cure rate of Nylon Bag inks. This should be added to CATALYSED inks in the following ratio:

Catalysed Nylon Bag Ink	100 parts by weight
S8977	1 part by weight

The use of accelerator will reduce the pot life.

FASTNESS For maximum fastness it is recommended that catalysed inks are used. Prints produced from the catalysed system have very good wash fastness to 60 C with the exception of Fluorescent colours. Fastness properties are always dependent on the fabric being used, and pre-testing is recommended. Catalysed inks also have good fastness to dry cleaning. Uncatalysed inks have good wash fastness to 40 C.

USES: Nylons, Polyesters, Cottons, Cotton/Polyester blends.