



PRETORIA
012 546 4611 / 5478
sales@northernvinyl.co.za
sales1@northernvinyl.co.za
223 Howard St, Pta North

JOHANNESBURG
011 613 1486 / 1043
vhaywood@northernvinyl.co.za
Unit K7, Supreme Industrial Park,
c/o Heidelberg & Southern
Klipriviersberg Roads, Steeledale



FLEXOPAQUE TECHNICAL DATA SHEET

- General:** FLEXOPAQUE inks are a range of the most elastic and opaque colours for direct and heat transfer printing onto dark coloured garments.
- Uses:** FLEXOPAQUE inks are suitable for printing onto a wide range of fabrics including cotton/synthetic blends. However always pre-test for adhesion, opacity, cracking, washability and other specific requirements.
- Thinning:** Because the inks never dry unless properly cured FLEXOPAQUE colours have excellent screen stability. They are supplied press ready and normally do not require thinning. Where the inks need to be thinned small amounts of FLEXOPAQUE THINNER can be used.
- Mesh:** Most fabrics are suitable but coarse meshes are preferable. 20-49T monofilament screens are recommended.
- Stencils:** Solvent resistant, direct emulsions such as HYDRASOL UV (HEM UV) and FG (HEM FG).
- Screen wash:** UNIVERSAL SCREENWASH (UT50).
- Curing:** FLEXOPAQUE inks will cure at the instant when the entire ink film reaches 150-165°C depending upon ink deposit. Curing units may have to be set at very much higher temperatures to reach the required curing time on the inks and garments. Depending upon the type of curing unit it may take as long as three minutes to reach the required temperature. When more than one colour has to be printed each colour may be flash cured at $\pm 1200\text{C}$ for 30 seconds. All the colours can then be cured as recommended above. A definite test to check whether or not the print has cured and will withstand repeated washing is to stretch and retract the printed garment without showing bad crack marks. If after curing and cooling the print feels dry and firm when twisting the thumb on it, correct cure should have been achieved.
- Washability:** Excellent. Dry cleaning is not recommended. Imprinted parts of the garment should not be ironed.
- Colour Range:** The full colour range as per colour chart is available including trichromatic and fluorescent colours. All FLEXOPAQUE colours are intermixable to give any required shade and colour matches are available to the customers' pattern. Please state mesh and type of fabric when placing orders.
- Technical Service:** Our technical staff will be pleased to advice on any aspect of printing where doubts may arise.
- Note** The information given herein is based on our general experience, and where applicable on the results of tests on samples of typical manufacture. However because of beyond our control which can affect the use of our products, we cannot accept liability for any damage, loss or injury.