

GL 4221 GLOBAL AKRY SOL H.D BASE



GL 4221 GLOBAL AKRY SOL HD BASE is part of the solvent-based GLOBAL AKRY SOL SERIES, which offers a range of PVC and phthalate-free, acrylic-based plastisol inks specifically designed for wet-on-wet screen printing. These inks are ideal for use in both automatic and manual printing processes. The product has been formulated to ensure a flexible ink film that will not harden the fabric, allowing the printed material to remain soft and comfortable, even after curing. It provides excellent opacity on dark garments, making it highly effective in achieving vibrant, opaque prints on a variety of fabric colors.

In addition to its opacity, GL 4221 offers good wash solidity, ensuring that prints retain their vividness and integrity even after multiple washes. The formulation process for this product is simple, as it requires mixing the GLOBAL AKRY SOL HD BASE 20% with GLOBAL AKRY SOL Gel 5% and GLOBAL AKRY SOL Pantone matched Colours 75% in specific ratios. For the best results, it is recommended to apply the mixture to the fabric, print one layer, pre-dry or flash dry the print, and repeat the process before applying additional colors. Stirring the mixture well before use ensures consistent quality and smooth application.

The curing process for this ink involves applying one or two layers of the mixed inks to the fabric and curing the prints at 160°C for 3 minutes. This ensures proper adhesion and durability, allowing the ink to bond well with the fabric fibers. The shelf life of GL 4221 is one year from the date of manufacture, and it should be stored in a cool, dry environment with temperatures ranging from 65°F to 95°F (18°C to 35°C). To maintain the quality and effectiveness of the product, it is essential to keep the container tightly closed to prevent drying, humidity, and contamination, ensuring the ink remains at its peak performance throughout its shelf life.

IDEAL FABRIC

100 % cotton or polyester blends

STORAGE

In cool dry and properly closed
(18°C to 35°C)

ADDITIVES

Not Recommended

CLEAN UP

Any eco-friendly solvents
for screen wash

CURING

160°C for 3 minutes

MESH

60-110 +/-in
24-43 +/-cm
monofilament

APPLICATION

HD Dimensional ink should be
mix -20% HD Base, Akrysol gel 5%,
75 % pantone matched colours.

SQUEEGEE & STENCIL

Any direct or indirect capillary film in the
200 to 40 micron range.
70 to 80 durometer sharp edge

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