

technical datasheet

Bright Cotton White [PADM-1027]

[Updated: September 2011]

Applications

- Direct Printing
- Underbasing
- Highlight White

Features

- Very High Opacity
- Easy to Print, Creamy Consistency
- Can be used through fine meshes for extra soft hand prints.

General Information

Bright Cotton White's (PADM-1027) easy printing formula makes it a natural choice for all textile printing applications where a low-bleed white is not necessary. Designs printed with Bright Cotton White will have a purer white appearance as well as exhibiting a smooth surface. Bright Cotton White's fast flashing and no after flash tack characteristics make it perfect for underbasing on dark garments. Bright Cotton White is not recommended for 50/50 fabrics where bleeding may be a problem, for such fabrics we recommend low-bleed white inks such as PLHT-1070 Diamond White.

Opacity

PADM-1027 is highly opaque.

Mesh: For best results follow the recommended guidelines for your particular application using mesh stretched to manufacturer's tensioning recommendations.

Underbasing: 125-255 (64-100 metric) monofilament polyester. Finer meshes for the underbase application will produce softer feeling prints.

Direct printing without underbase: 86-230 (43-92 metric) monofilament polyester.

Highlight White: 160-305 (64-120 metric) monofilament polyester produces excellent results.

Stencils

Any stencil system compatible with plastisol inks.

Additives

Bright Cotton White PADM-1027 is supplied ready to print. Since plastisol inks "body up" as they sit in the container, you should always stir the ink well to determine the actual printing viscosity before adding any reducer. If necessary reduce with small amounts of Reducer/Detackifier. Do not add mineral spirits. Reducing the ink usually reduces the opacity.

Printing Instructions

Bright Cotton White is suitable to be printed on both manual and automatic presses using normal printing techniques. For increased ink deposits multiple strokes may be necessary on manual presses. A soft pad on the printing pallet and minimal squeegee pressure will minimize penetration into the garment and enhance the final print.

Curing Instructions

Plastisol inks will not air dry and must be heat cured. PADM-1027 will start to gel at approximately 130°C and temperatures, dwell time and distance of flash cure unit from print should be regulated so the underbase print is only surface dry to the touch. This ink will fully cure and withstand repeated washings when the entire ink deposit reaches 300°F (149°C). If Bright Cotton White ink is printed through coarser meshes, the resulting heavier ink deposits may require longer oven time or possibly higher temperatures. Proper curing is extremely important as poor washability and cracking of the print can generally be traced back to undercuring.

Wash-Up

Mineral Spirits or any screen wash designed for plastisol inks.

Washability

Excellent. Do not dry clean. Do not iron printed areas. Storage: Store plastisols at room temperature. Prolonged exposure to high temperature can make the ink start to gel.

Caution

Always test this product for curing, adhesion, crocking, opacity, washability and other specific requirements before using in production.

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Disclaimer: This product is manufactured under laboratory supervision from the finest raw materials and we feel will perform exactly as represented. Due to production parameters beyond our control, NSDS does not offer any warranty, expressed or implied, on the use of this product. It is the printer's responsibility to test inks and substrates prior to any production run for suitability in the end use environment.

Keep away from heat and open flame. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid prolonged breathing of vapour or spray mist. Keep container closed when not in use.



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cape

tel +27 21 551 3300
fax +27 21 551 1737
email infocpt@nsds.co.za

kwa-zulu natal

tel +27 31 569 1049
fax +27 31 569 1050
email infodbn@nsds.co.za

gauteng

tel +27 11 624 2642
fax +27 11 624 1601
email infojhb@nsds.co.za

