

SCREEN PRINTING INKS FOR LIGHT TONED FABRICS

STANDARD COLOURS



Mid Yellow



Bright Red



Turquoise



Mid Green



Yellow R



Mid Red



Light Blue



Green B



Orange R



Rose



Blue B

PERMASET[®] Print Paste,
Phosphorescent Green*
& Puff Paste
also available



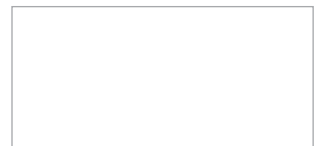
Scarlet



Purple



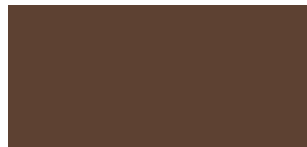
Junior Navy



Standard White



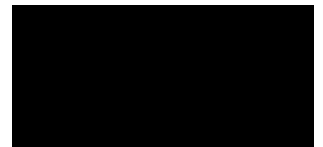
Venetian Red



Brown R



Dark Brown



Jet Black

GLOW*



Glow Yellow



Glow Green



Process Yellow



Pearl White



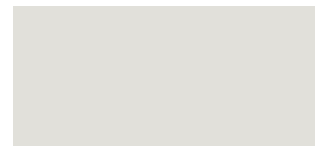
Glow Orange



Glow Blue



Process Magenta



Bright Silver



Glow Red



Glow Violet



Process Cyan



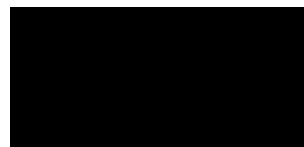
Gold Lustre



Glow Pink



Glow Magenta



Process Black



Copper

PROCESS



METALLIC

*All Glow colours and Phosphorescent Green exhibit diminished light fastness, particularly in direct sunlight. Colour swatches are a guide only and are as close as printing processes allow. When colour is critical, test printing is essential.



Drying	Thinning & Wash-up	Mesh Range	Stencil Type	Coverage & Mesh	Applications	Fabrics	Colour Range
<p>For optimum fastness PERMASET[®] AQUA should be heat cured.</p> <p>If drying in the screen, add 1-3% PERMASET[®] Print Retarder.</p>	<p>If necessary, thin with up to 5% water.</p> <p>Dried in ink may be washed out with conventional or eco-friendly screenwash.</p>	<p>Monofilament Polyester.</p> <p>43-120T (110-305 tpi) depending on application for PERMASET[®] AQUA, Glow and Process colours.</p> <p>43-90T (110-225 tpi) depending on application for PERMASET[®] Metallic colours.</p>	<p>MUST be water resistant, fully dried & fully cured.</p> <p>Emulsion: Recommend: Fujifilm Dirasol[®] 916 or KIWO POLYCOL[®] MULTI-TEX / VERSA-TEX[™] or ULANO[®] 925WR or Chromaline[®] CP-TEX[™] or MacDermid Autotype PLUS 6000 or Murakami TXR[®]/T9.</p>	<p>15-21m²/L with 62T mesh.</p> <p>612-857 square feet per gallon with 155 tpi mesh.</p>	<p>T-Shirts, Flags, Banners, Sports and Fashion Wear, Scarves, Swimwear, Upholstery and Window Furnishings.</p> <p>Yardage, cushions, table and bed linen, tea towels and tote bags.</p>	<p>Cotton.</p> <p>Cotton/ Polyester blends and most synthetic fabrics.</p> <p>Fastness to wash and dry cleaning on wool may be diminished.</p>	<p>19 PERMASET[®] AQUA standard colours including Jet Black & White.</p> <p>8 Standard Glow, Process set (CMY+K) & 4 Metallic colours.</p> <p>PERMASET[®] AQUA Print Paste.</p>
<p>Properties</p> <p>Screen printing inks for light toned fabrics. Matt Finish. Solvent-free. Low odour. Intermixable, light fast,* non-bleeding colours. Brilliant transparent shades in PERMASET[®] Standard, Glow and Process colours. PERMASET[®] Metallic colours exhibit excellent opacity. Soft handle. Excellent wash and dry clean resistance once cured. Ironable.</p>				<p>Product Resistance</p> <p>After heat curing, prints exhibit excellent resistance to wet and dry rub.</p>			

DRYING AND CURING

For optimum wash and colour fastness, prints should be fully heat cured. Whilst the below information is a guide, the curing schedule used should be chosen to suit the heat resistance of the fabric being printed.

Care must be taken with IR dryers to ensure that prints are fully cured. When printing on synthetic blends and fabrics, a lower curing temperature and longer drying time is recommended. If your drying conditions fall outside these recommendations, please contact your local representative for technical assistance.

The following curing guidelines are recommendations for ink deposit temperatures, not dryer temperatures. This should be checked with temperature strips or IR gun to ensure that appropriate temperatures are achieved.

2-3 Minutes @ 160°C (320°F)

5-6 Minutes @ 140°C (285°F)

8-9 Minutes @ 120°C (250°F)

If using **PERMASET[®] Print Retarder** in the ink, note that this will also slow drying in the oven. Ensure that a test wash is completed to confirm that cure regime is adequate.

FASTNESS

Light Fastness is good-excellent. Most colours achieve a rating of 8/8 on the Blue Wool Scale, but all* are not less than 6/8. When fully heat cured, prints have excellent wash and dry clean fastness.

Colour Matches: Note that high temperatures combined with strong detergents can cause colour changes in some colour matches. It is therefore imperative that all formulations are checked for acceptable wash fastness properties prior to production.

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44 Orchard Rd Brookvale NSW 2100 Australia
Phone: +61 2 9939 7977 or Fax: +61 2 9939 6685
www.permaset.com.au • email: info@permaset.com.au



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