Permaset Aqua ®

SCREEN PRINTING INKS FOR LIGHT TONED FABRICS

STANDARD COLOURS

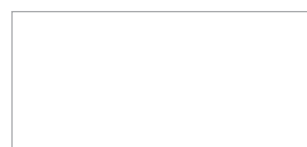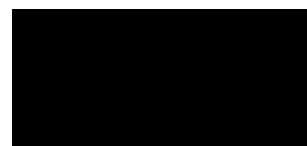|			
Mid Yellow	Bright Red	Turquoise	Mid Green
Yellow R	Mid Red	Light Blue	Green B
Orange R	Rose	Blue B	PERMASET® Print Paste, Phosphorescent Green* & Puff Paste also available
Scarlet	Purple	Junior Navy	Standard White
Venetian Red	Brown R	Dark Brown	Jet Black

GLOW*

Glow Yellow	Glow Green
Glow Orange	Glow Blue
Glow Red	Glow Violet
Glow Pink	Glow Magenta

PROCESS

SOIL ASSOCIATION APPROVED

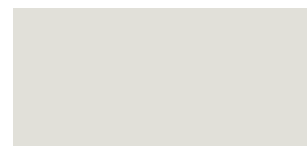| |
|---|
| Process Yellow |
| Process Magenta |
| Process Cyan |
| Process Black |

METALLIC

Pearl White
Bright Silver
Gold Lustre
Copper

*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
For optimum fastness **PERMASET**® **AQUA** should be heat cured. If drying in the screen, add 1-3% **PERMASET**® **Print Retarder**.	If necessary, thin with up to 5% water. Dried in ink may be washed out with conventional or eco-friendly screenwash.	Monofilament Polyester. 43-120T (110-305 tpi) depending on application for **PERMASET**® **AQUA**, Glow and Process colours. 43-90T (110-225 tpi) depending on application for **PERMASET**® Metallic colours.	MUST be water resistant, fully dried & fully cured. **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.	15-21 m²/L with 62T mesh. 612-857 square feet per gallon with 155 tpi mesh.	T-Shirts, Flags, Banners, Sports and Fashion Wear. Scarves, Swimwear, Upholstery and Window Furnishings. Yardage, cushions, table and bed linen, tea towels and tote bags.	Cotton. Cotton/ Polyester blends and most synthetic fabrics. Fastness to wash and dry cleaning on wool may be diminished.	19 **PERMASET**® **AQUA** standard colours including Jet Black & White. 8 Standard Glow, Process set (CMY+K) & 4 Metallic colours. **PERMASET**® **AQUA** Print Paste.

Properties

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.

Product Resistance

After heat curing, prints exhibit excellent resistance to wet and dry rub.

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.

*All Glow colours and Phosphorescent Green exhibit diminished light fastness, particularly in direct sunlight.

ISO14001 EMS

ISO 14001 EMS - Environmental Management Systems compliant paper

Scan for stockists.