

# DERIVAN®



Lemon Yellow



Mid Yellow



Golden Yellow



Yellow Orange



Bright Orange



Scarlet



Mid Red



Bright Red



Brilliant Pink



Purple



Royal Blue



Turquoise Blue



Green Light



Mid Green



Brown



Black



Metallic Bronze



Metallic Copper



Metallic Silver



Metallic Gold



White (Opaque)



Reducer



Fluro Green



Fluro Orange



Fluro Magenta



Fluro Red



Fluro Yellow



Fluro Blue

DERIVAN

# Screen ink For Fabric

250ml  
jars



1L  
buckets



Fluro and metallic colours not available in 1L.

NB: Colours in this colour chart are as accurate as conventional printing allows.



DERIVAN

# Screen ink

For Fabric

**Derivan Screen Ink is a totally water-based silk screen printing ink. Formulated as a safe, non-toxic ink for fabric, it can be used in the classroom or at home safely without the worry of being exposed to solvents such as white spirits, turps or thinners. Derivan Screen Ink washes up in water (before it is heat set) but has excellent rub resistance and lightfastness once heat set.**

## Use

### Silk Screen System:

It is important to make sure the silk screen blockout or stencil system that is to be used is compatible with water-based products (some are completely resistant to many solvents but water will destroy them).

### Mesh Size:

Generally speaking, the best mesh size for fabric printing is 10T to 25T (monofilament). A coarser mesh screen is required for fabric than for paper; more ink is required as fabric tends to be more absorbent.

### Choice of fabrics:

Best results are obtained from absorbent fabrics; avoid waterproof fabrics as they tend to inhibit penetration and repel the water-based colours.

Fabrics containing starch, size, fillers, softeners or crease-proof treatments should be washed prior to printing. Fabrics containing waterproofing treatments may not accept the paints and may result in mottling, poor colour adhesion or patchy printing and may not remain washproof.

### Heat fixing prints:

It is necessary to heat fix the image if it is to be washproof. Heat fixing can take many forms. The main points to be observed are:

- The image has been air dried before it is heat fixed.
- When heat fixing, the heat is applied evenly over the image.
- The heat is applied continuously for the required time over the image.
- Be sure not to scorch or burn the image or garment.

Any type of heat can be used. Heat tunnels, ovens even the humble household iron, can all be used. If using contact heat (for instance an iron), use a tea towel or another piece of cotton cloth over the image to iron on. Do not iron with direct contact to the print. Heat fixing times and temperatures vary. However, a guide is as follows:

- Cotton, calico, linen, rayon - 4-5 minutes at 140°C - 180°C
- Synthetics, nylon, polyester, tetron, acrylic - 5-8 minutes at 115°C-130°C.

Important projects warrant testing to determine maximum temperature to make image fast and avoid scorching.

Test by heat fixing a test strip and washing in a heavy duty cycle.

## Fabric Painting

Derivan Screen Ink can also be used easily as a fabric paint by simply mixing one heaped teaspoon of table salt into a 250ml jar. The salt causes the ink to become more fluid - perfect for fabric painting.

## Fabric Dyeing

The Fabric painting mix as described above can then be added to approximately 2.5 litres of water to create a vibrant fabric dye. With darker colours, more water can be used to make up to 5 litres of dye. Once you have made your mixture, just dip and remove garments for a bright, colourful finish. Once dry heat fix as described for screen printing.

## Colour mixing

Derivan Screen Inks can be intermixed to create bright secondary and tertiary colours.

## Clean-up

Wash all utensils, brushes and hands with soap and water to clean up.

## Health & Safety

Derivan Screen Inks are a non-toxic water-based acrylic ink containing water, pigment, and acrylic. Although it is certainly not made to be ingested, it is safe for use with children. For further information, download the Safety Data Sheet from our website: [www.derivan.com.au](http://www.derivan.com.au).

## Removing stains

Derivan Screen Ink is made to be permanent once heat set, so suitable clothing should be worn as some staining may occur. We advise to wash stains out immediately with cold water and household soap, taking care not to spread the stain. Dry stains will need to be soaked overnight in lukewarm soapy water. Do not use hot water, chemical solvents or thinners. For more detailed instructions please visit the Derivan website on [www.derivan.com.au](http://www.derivan.com.au).

Derivan Pty Ltd

ABN 36003 273 925

Unit 4/23 Leeds Street, Rhodes NSW 2138

T: +61 2 9736 2022 F: +61 2 9736 3637

[derivan@derivan.com.au](mailto:derivan@derivan.com.au) | [www.derivan.com.au](http://www.derivan.com.au)