



Screen ink



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.

COLOUR CARD & PRODUCT INFORMATION

Non-Toxic • Water-based • Multi Purpose Fabric Ink
Australian Made



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

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 directly over 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.