

Permaset®



PERMASET® INKS FREQUENTLY ASKED QUESTIONS

Are PERMASET® inks environmentally friendly?

Yes. All PERMASET® screen printing inks (**PERMASET AQUA®**, **PERMASET SUPERCOVER®**, **PERMATONE®** and **PERMAPRINT® Premium**) are formulated to be environmentally friendly. PERMASET® water-based inks do not include any CFCs, HCFCs, volatile solvents or aromatic hydrocarbons. Unlike other brands, it is also Phthalate free.

The **PERMATONE®** colour matching system has been granted Approval from the Soil Association in the UK as satisfying the requirements of Global Organic Textile Standard (GOTS) for non-organic chemical inputs for use in organic textile processing.

Are colours of PERMASET® inks bright—even though they are water-based inks?

Yes, the colours of the PERMASET® inks are bright. The PERMASET® ink range has been developed to combine the traditional softness advantage of water-based inks with durability while achieving excellent colour expression and brightness.

Can I dry clean artwork done with PERMASET® inks?

Yes, you can. However, the print must be properly cured before washing or dry cleaning. Once heat cured, PERMASET® inks exhibit excellent wash, rub and dry clean resistance.

Can I mix PERMASET® inks?

Yes, inks within each range can be mixed.

However, when mixing between ranges e.g. **PERMASET SUPERCOVER®** opaque inks with **PERMASET AQUA®** transparent inks it is important to exercise caution. First, you will reduce the opacity of the print compared to **PERMASET SUPERCOVER®** ink by itself. This will be noticeable in prints over dark backgrounds. Second, some combinations exhibit slight to significant incompatibility and as above exercise caution and test first before embarking on a production run.

Can I tumble dry prints to heat set the ink?

Yes. Tumble dry is one method that can be used heat set (cure) the artwork, but results can be quite variable. After THOROUGH air drying so that the prints are smudge proof, place in tumble dryer for around 30 minutes and test.

All these methods are subject to suit local conditions, moisture content of fabrics, ambient temperature and relative humidity. Best advice is to do a test piece (or better, multiple pieces). These can be taken out and evaluated at various stages of the curing or heat-set process to test washability.

However, some caution should be exercised as more heat and/or time does not always mean a better cure. In practice too much heat runs the risk of over curing, which will actually reduce the wash-fastness and may crack the print in extreme cases.

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Can I use PERMASET® inks for printing on dark backgrounds?

Yes, you can print on dark backgrounds with **PERMASET SUPERCOVER®** inks. **PERMASET SUPERCOVER®** Colours and **PERMASET SUPERCOVER®** Glow Colours are opaque and have been especially developed for this purpose. This range is excellent for covering dark backgrounds and yields rich colours. Inks in the **PERMASET AQUA®** Metallic range are opaque and also work well on dark backgrounds.

Do I have to prepare the ink before applying it onto the artwork?

- (1) Stir **PERMASET®** inks well before use and
- (2) Good practice dictates testing the compatibility with all substrates before commencing any production run.

Do PERMASET® inks include any solvents?

No. A key feature of **PERMASET®** inks is that they are all 100% solvent free water-based textile ink.

Do PERMASET® inks include any toxic chemicals?

No. **PERMASET®** inks do not include any toxic chemicals.

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Do PERMASET® inks smell?

PERMASET® inks are very low in odour. Some users report a very faint acrylic smell, but nothing like the odour of solvent based inks.

NOTE: The information and recommendations contained in this Product Information Sheet, as well as technical advice otherwise given by representatives of our business, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason, our products are sold without warranty and on condition that users conduct their own tests to satisfy themselves that they will fully meet their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information Sheet out of date and users are requested to ensure that they follow current recommendations.

PERMASET, PERMASET AQUA, PERMASET SUPERCOVER, PERMATONE and PERMAPRINT Premium are registered trade marks.