



Textile screen printing inks  
for the eco-friendly professional

# Heat curing of *Permaset*

Heat setting of Permaset Aqua is absolutely imperative.

Four methods are possible:

1. Through a drying tunnel is what the professionals do
2. Just hand iron. Initially must air dry. Results supposedly not as good as tunnel drying, but there is no evidence of difference.
3. Again after air drying, fold piece, wrap in AlFoil and bake at low heat (90°C  $\leq$  190°F) in an oven.
4. After THOROUGH air drying, place in tumble-dryer for say 30 minutes and test.

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

We do our standard lab tests straight after printing, with the ink still wet into an oven at 150°C for 3 minutes. If the wash test does not work, we put it in for another minute and we've yet to see a failure.

However, must warn that more does not always mean better. Too much heat runs the risk of

- a) singeing the garment and
- b) overcuring, which will actually compromise the wash-fastness and will crack the print.

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44 Orchard Road, Brookvale, NSW, 2100 AUSTRALIA  
Telephone: +61 2 9939-7977 Fax: +61 2 9939-6685  
e-mail: [sales@colormaker.com.au](mailto:sales@colormaker.com.au) website: [www.colormaker.com.au](http://www.colormaker.com.au)  
ABN: 95 867 689 154