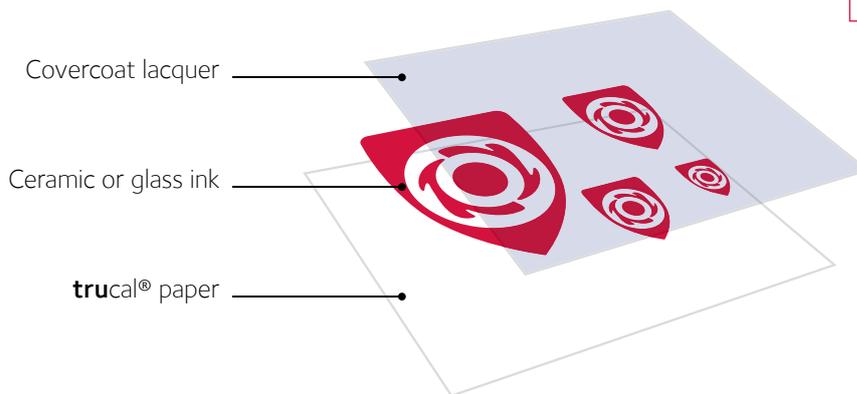


For the decoration of ceramic and glass

1. Printing a ceramic, glass decal



- Ceramic or glass colour pigment is mixed with a medium made up of resin, plasticiser and solvent. This forms a printable ink.
- The ink is printed by screen onto the gummed side of **trucal®** paper.
- A lacquer covercoat made of resin, plasticiser and solvent, is then screen printed, covering the whole printed design. This allows the entire design to be removed from the decal paper when soaked in water.

Tullis Russell **trucal®** papers are also ideal for printing by off-set litho.

Decal Application

- Decals are best released in clean, warm water.
- Sheets should be soaked individually so that water can fully penetrate the paper.
- The wetted sheets can then be piled on top of each other to await application.
- It is not recommended to leave the printed sheets in water for too long, as the decals will float off. This will hinder application.
- Once the decal is released, any traces of air or water between the decal and ware must be removed. This is best performed with a rubber squeegee.
- Ware must be allowed to dry for several hours to allow the residual water to evaporate before firing.

Firing

On firing, the organic ink medium and covercoat will burn away, leaving the inorganic colours, which are fused to the ware by the intense firing heat.

Getting the best from **truca**[®] decal papers

Storage

- Store unopened packets in ambient conditions.
- We recommend that unopened packets of the paper are stored in the print room for four days prior to opening and printing. This will acclimatise the paper to the print room environment.
- Do not open the packets until printing is about to commence.
- For best results, reseal any part used packets before storage to prevent wavy edges.

Preparation for Printing

- The paper can be provided, at different intersheet humidities to suit the printing conditions of all our customers.
- If the intersheet humidity of the paper matches the ambient relative humidity of the print room, there should be no contraction or expansion of the paper sheets.
- Should your print room conditions be outside the intersheet humidity of the paper, the paper can still be printed acceptably. It is recommended that for precise registration printing, that the paper should be preconditioned to the print room before printing.

Drying

- It is recommended that ambient conditions are used to dry the paper.
- Any form of forced drying without adding moisture will lead to a drop in humidity and a moisture loss from the paper. This can cause shrinking of the sheets resulting in miss register.

Technical

Our technical experts will provide you advice on inks and covercoats, which are used with **truca**[®] paper to ensure you achieve the best printing and application results.

We look forward to hearing from you!

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