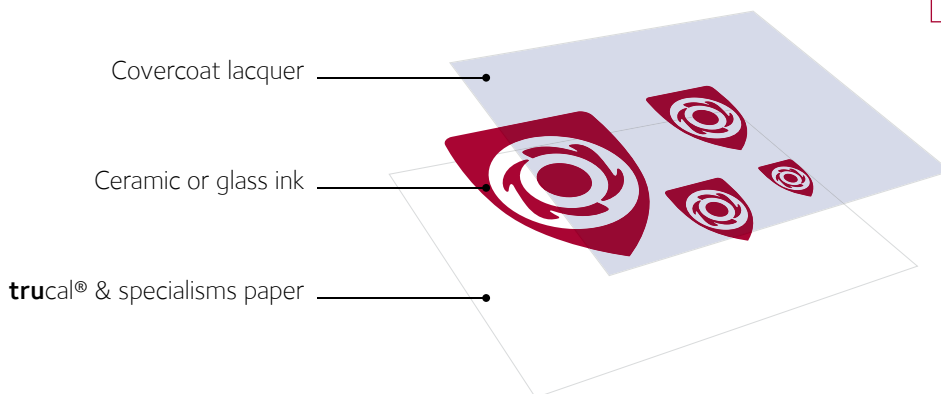


# For the decoration of ceramic and glass

## 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 **truca<sup>®</sup> & specialisms** 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 Coaters **truca<sup>®</sup> & specialisms** 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 **trucal**<sup>®</sup> & specialisms decal papers

## Storage

- Store unopened packets in ambient conditions.
- We recommend that unopened packets of the paper are stored in the pressroom for four days prior to opening and printing. This will acclimatise the paper to the press 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 press 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. Sheets should be passed through the wicket driers or by placing in a drying rack for 1–2 hours within the print room.

## 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 **trucal**<sup>®</sup> & specialisms paper to ensure you achieve the best printing and application results.

**We look forward to hearing from you!**

## Tullis Russell Coaters

### UK:

Church Street, Bollington, Macclesfield, Cheshire SK10 5QF UK

Phone +44 (0)1625 573051 Fax +44 (0)1625 572085  
enquiries@trcoaters.co.uk www.trcoaters.co.uk

### Korea:

5Ba 802, Shiwha Industrial Complex, 689-1, Sung Gok Dong,  
Ansan-Si, Kyunggi-Do; Republic of Korea

Phone +82 31 499 1151 Fax +82 31 499 1153  
enquiries@trcoaters.co.uk www.trcoaters.co.kr

### USA:

140 Sherman Street, Fairfield, CT 06824 USA

Phone +1 203 256 9522 Fax +1 203 256 8306  
info@tullisrussellusa.com www.tullisrussellusa.com

### China:

Plainvim Ind Park, 2nd Floor, Building I No 4, East Zhenan Road,  
Changan Town, Dongguan City, Guangdong, 523851 China

Phone +86 769 8166 1808 Fax +86 769 8166 1898  
enquiries@trcoaters.cn www.trcoaters.cn

