

**NORTHCOTE POTTERY SUPPLIES
TECHNICAL TIPS AND PRODUCT INFORMATION #16**

SCREEN PRINTING ON CERAMICS

DIRECT SCREEN PRINTING OF THIRD FIRE ONGLAZE ONTO FLAT, GLAZED SURFACES

- Requires 63/532 Screen Printing Medium (oil based/turps cleanup) or 65/100 Screen Printing Medium (oil based/water cleanup) and Onglaze Powder
- Mix the Onglaze to Medium in a ratio of 3-4:1 to form a thick toothpaste consistency mixture using a mortar and pestle
- Using your pre-prepared #80 mesh, monofilament silk screen with appropriate stencil, print directly onto the totally flat, glossy-glazed ceramic surface (i.e. commercial tile)
- Fire the screen printed tile to the ideal temperature for the onglaze (700-800°C)

DIRECT SCREEN PRINTING OF STAINS/OXIDES ONTO FLAT RAW CLAY SURFACES

- Requires 63/532 Screen Printing Medium (oil based/turps cleanup) or 65/100 Screen Printing Medium (oil based/water cleanup) and Stain/Oxide
- Mix the Stain/Oxide to Medium in a ratio of 3-4:1 to form a thick toothpaste consistency mixture using a mortar and pestle (it can sometimes be useful to include some frit to assist the fluxing of the colour onto the clay)
- Using your pre-prepared #80 mesh, monofilament silk screen with appropriate stencil, print directly onto the totally flat, raw clay surface (i.e. wet or leather-hard or dry clay)
- The clay can be further worked with other decorating materials after this, and if printed onto raw clay, the form can be stretched and distorted etc.
- Fire the screen-printed form to the ideal bisque temperature for the clay, then apply glaze and glaze fire

DECAL PRINTING

- Requires 63/511 Decal Printing Medium (oil based/turps cleanup), Decal Paper, OPL/503 Overprinting Lacquer and powdered Onglaze
- Mix the Onglaze to Medium in a ratio of 3-4:1 to form a thick toothpaste consistency mixture using a mortar and pestle
- Using your pre-prepared #80 mesh, monofilament silk screen with appropriate stencil, print directly onto the coated side of the Decal Paper. Allow the print to dry for 24 hours.
- Print a patch of Overprint Lacquer over the printed design, and allow to dry for 24 hours
- Cut the large sheet of decal images up into individual pieces.
- To apply, soak the decal in warm water for 10 seconds then slide onto the glossy glazed pottery form. Locate while still wet. Dry for 24 hours. Fire the decal at the appropriate temperature for the onglaze.

THERE ARE MANY VARIATIONS OF THE PRINTING PROCESS WHICH CAN BE USED IN CERAMICS, AND THESE ARE BUT A FEW BASIC ONES. EXPERIMENT AND YOU'LL BE SURPRISED AT WHAT YOU CAN ACHIEVE.

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