



# Underglazes

*Fundamentals® Underglazes, Designer Liner  
and E-Z Stroke® Translucent Underglazes*

**LOW-FIRE**

CONE 06-05 / 999°C-1046° C / 1830°F -1915°F





Artwork by Terri Kern



# FUNDAMENTALS®

## Underglaze



Dinnerware Safe  
with Clear Glaze

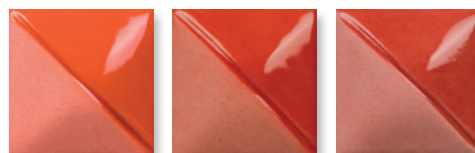
### CONE 06 RESULTS (999°C / 1830°F)



UG051  
China White

UG067  
Ivory

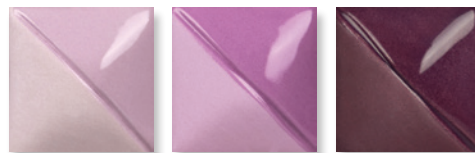
UG222  
Soft Yellow



UG217  
Red Coral

UG206  
Fire Engine Red

UG207  
Flame Red



UG092  
Lilac

UG087  
Regal Purple

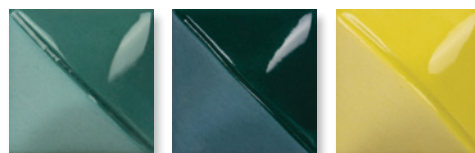
UG225  
Plum



UG002  
Sea Blue

UG097  
Bright Blue

UG001  
Kings Blue



UG091  
True Teal

UG230  
Blue Grass

UG218  
Pear Green

### LOW-FIRE (CONE 06-05 / 999°C-1046°C / 1830°F - 1915°F)

Mayco's Fundamentals® Underglazes are formulated for application to wet clay, greenware or bisque, producing vibrant colors and consistent, dependable performance. Fundamentals® will fire to a soft, matte finish when left unglazed. Applying a clear glaze will create a brilliant gloss finish to your surface. Fundamentals® Underglazes

are AP Certified Non-Toxic for human consumption when used according to manufacturer's directions and Dinnerware Safe when clear glaze is applied. Fundamentals® can be used for all over coverage or in combination with Stroke & Coat®, Foundations® or Cobblestones. We recommend testing at your preferred firing temperature prior to use.

### Fired flat in oxidation on white earthenware body



UG046  
Bright Yellow

UG203  
Squash Yellow

UG058  
Harvest Gold

UG085  
Orange Sorbet

UG223  
Apricot

UG204  
Orange



UG208  
Dragon Red

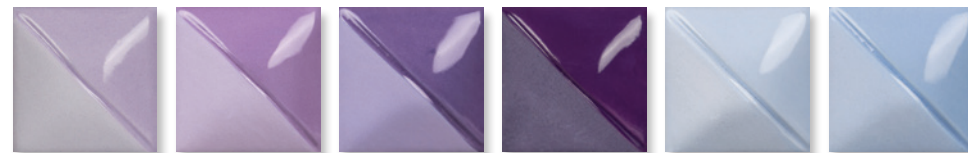
UG215  
Blush

UG146  
Pink Pink

UG216  
Peach

UG224  
Rose

UG010  
Crimson



UG226  
Lavender

UG093  
Wild Violet

UG094  
Pansy Purple

UG227  
Concord Grape

UG003  
Baby Blue

UG072  
Wedgewood Blue



UG228  
Midnight Blue

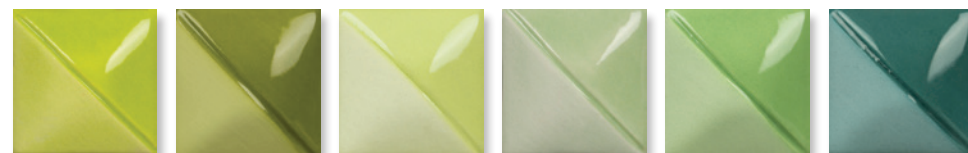
UG019  
Electra Blue

UG082  
Tucson Turquoise

UG219  
Marine Blue

UG229  
Aquamarine

UG209  
Jade



UG231  
Lime Green

UG022  
Spring Green

UG068  
Apple Green

UG233  
Eucalyptus

UG090  
Green Mist

UG021  
Leaf Green



## HOW TO USE

One coat will create a translucent finish with subsequent coats adding opacity. We suggest 2-3 coats for full opacity and all over coverage. If the form you are painting has texture, dab excess color out of the texture to avoid pooling. For use on clay or greenware, apply underglaze, allow to dry, and fire to cone 04. If desired, apply clear glaze and refire to cone 06-05 (999°C-1046°C / 1830°F -1915°F).

For use on bisque, apply to cone 04 bisque, allow to dry, apply clear glaze if desired, and fire to cone 06-05 (999°C-1046°C / 1830°F -1915°F). To intensify color or for use on dinnerware, apply a gloss or matte clear glaze. We recommend S2101 Crystal Clear for low-fire. We recommend testing at your preferred firing temperature prior to use. For use at higher temperatures, see the reverse of this brochure.

### CONE 06 RESULTS (999°C / 1830°F)

Fired flat in oxidation on white earthenware body



*S2101 Crystal Clear Brushing applied over the right side of all chips.*

### Stay Up To Date With Mayco!

Stay up to date with Mayco on social media and find workshops and more education on Mayco's YouTube channel!

Mayco's  
Video Library



### Firing Tip!

If cone 06 does not develop the color you want – go hotter. We recommend cone 03 - 04. Fundamentals® Underglazes can take the extra heat – push them to get the vibrancy you need and temperature the clay body can handle.

### Blendable & Intermixable

Mix colors to create something new; use brushstrokes to blend colors and create shading; layer them without concern of intermixing – great for Majolica – add thin lines and details with confidence as Fundamentals® will NOT move.



Artwork by  
Terri Kern

### Matte Finish

Fundamentals® Underglazes will fire matte without addition of a clear glaze. To intensify color or for use on dinnerware, apply clear or matte clear glaze. To create depth and contrast, combine the matte finish of Fundamentals® with a glossy glaze such as Stroke & Coat®.



### Apply to Wet Clay

Apply Fundamentals® Underglazes directly to wet or leatherhard clay and fire to cone 04. Even on red clay, colors retain their vibrancy. If desired, apply clear glaze and refire to cone 06-05 (999°C-1046°C / 1830°F -1915°F).





## Painterly Properties

Much like using oil or watercolor, Fundamentals® Underglazes can be used to create a life-like portrait or landscape. Use rendering, shading, blending and other painting techniques to add dimension and a sense of realism to your work.



## Co-Fire With Clear

Fundamentals® can be co-fired with clear glaze in a single firing. When working with clay, we recommend leaving an area unglazed such as the bottom or back for outgassing during firing. Outgassing can trap bubbles or create craters – adding a 15 minute hold will fix most surface issues.



## Glaze Sgraffito

The sgraffito technique is created by applying layers of Fundamentals® and then carving through the color to produce depth and contrast in your designs. It's a striking and dramatic method to utilize Fundamentals® on bisque or clay surfaces.



## Watercolor Style

For a more traditional and painterly approach, dilute underglazes with water to create a thinned watercolor-like glaze. Use these tints to layer for seamless blending.



## All Over Coverage or Design Work

Fundamentals® can be used for delicate designs or all over coverage. Create variation by leaving some areas matte and others glossy with clear glaze. Visit [MaycoColors.com](http://MaycoColors.com) to view our extensive project library with endless techniques to inspire you.



## Burnishing

A pottery technique known as burnishing/polishing creates a smooth background ideal for spot glazing and alternative firings like horsehair or sagger. Use a soft cloth or facial tissue (without lotion) to polish the damp surface until a sheen appears. Additional burnishing will increase the smoothness and sheen.





## DESIGNER LINER

Designer Liner is a clay based and heavily pigmented underglaze. Use this versatile product to create fine detail with lines, dots, and letters. The metal writer tip allows for ultimate control to draw ultra-fine or bold lines, typography and intricate illustration, or apply with a brush to create watercolor or ink wash effects. Fires matte without clear glaze.



Dinnerware Safe  
with Clear Glaze

CONE 06 RESULTS  
(999°C / 1830°F)

Fired flat in oxidation on  
white earthenware body



SG402  
White



SG407  
Yellow



SG408  
Orange



SG403  
Red



SG410  
Bright Blue



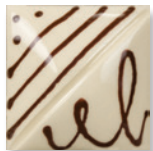
SG404  
Blue



SG409  
Bright Green



SG405  
Green



SG406  
Brown



SG401  
Black

SG101 Crystal Clear Brushing applied over top of all chips.

### Storage Tips for Designer Liner

Remove the white cap then gently puncture plastic tip with the metal writer tip. After placing the metal tip onto the bottle cap, push the included pin through the small ziptop bag and seal. This makes it easier to keep track of the pin and turns the bag into a flag! Keep the pin in the metal writer tip when not in use.

### Lines and Dots

Try all types of line work to create depth and visual interest. Designer Liner is the tool to draw in all styles; pointillism, cross-hatching, and shading. Designer Liner is not a dimensional product. If applied too thick or heavy, Designer Liner will crack and possibly pop off.

### Writing Text

Use the metal writer tip or a script liner brush to find your style with Designer Liner. Create using cursive, freehand drawing, block-lettering, or calligraphy. Designer Liner can also be used to sign the bottom of your work without Designer Liner sticking to the kiln shelf.

### Brush Work

Use a brush to apply Designer Liner to simulate a watercolor or ink wash effect. Designer Liner is best when used under non-moving transparent or semi-transparent glazes. Designer Liner will fire matte when clear glaze is not applied over top.





## E-Z STROKE® TRANSLUCENT UNDERGLAZES

Intense pigment and high definition are the trademark of Duncan E-Z Stroke® Translucent Underglazes. Perfect for brushwork and antiquing, helping you achieve the look of watercolor or detailed shading on greenware or bisque. For use on clay or greenware, apply 1 coat for translucent designs, allow to dry, and fire to cone 04. If desired, apply clear glaze and refire to cone 06-05 (999°C-1046° C / 1830°F -1915°F). For use on bisque, apply to cone 04 bisque, allow to dry, apply clear glaze if desired, and fire to cone 06-05 (999°C-1046° C / 1830°F -1915°F). For rich depth and shading, apply additional thin coats. Fires matte without clear glaze.



**Dinnerware Safe  
with Clear Glaze**

### CONE 06 RESULTS (999° C / 1830°F)



Fired flat in oxidation on  
white earthenware body



S2101 Crystal Clear Brushing  
applied over top of all chips.





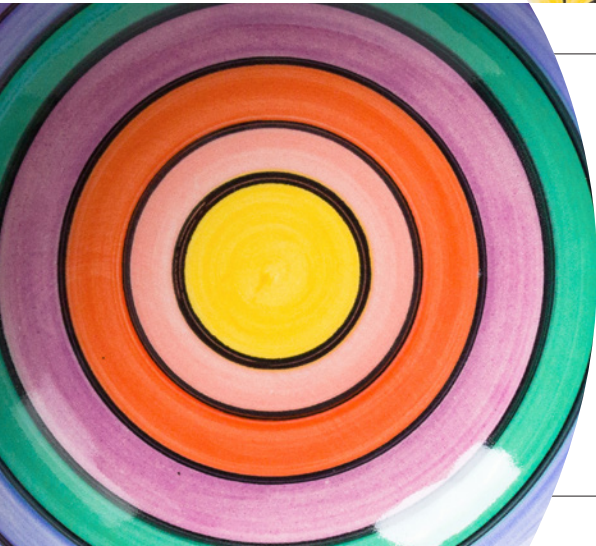
## Brushwork

E-Z Strokes® can be used for delicate brushwork and are intermixable for custom colors. For shaded brushwork, load the brush with color, then tip or side load the brush with a second color and apply.



## Colorful Bands

E-Z Stroke® colors are ideal for banding on color. Thin the color with water or Thin 'n Shade to a milk or thin cream consistency, and band on one coat to greenware or over a base-coat color. Be sure to center the piece on banding wheel.



## Application Methods

E-Z Strokes® can be used for a wide array of techniques including sponging, splattering, stippling, and antiquing to create accents or for all over coverage with design tools. Thin the color with water or Thin 'n Shade to the consistency of thin cream prior to use.



## ASSORTMENT KITS

Fundamentals® Underglazes, E-Z Stroke® and Designer Liner is available in assortment kits that include our most popular colors. Kits make a great choice for the classroom or studio, or as a sampler. Value priced packs are available in multiple sizes.

*Colors shown below were fired to Cone 06 (999°C/1830°F), but also perform great when fired to higher temperatures. View the Cone 6 (1222°C/2232°F) firing results on [MaycoColors.com](http://MaycoColors.com)*

### Fundamentals® Underglazes Kit

UGKIT1 4 oz. jars

UGKIT1P 16 oz. jars

UG051 China White	UG046 Bright Yellow
UG204 Orange	UG206 Fire Engine Red
UG208 Dragon Red	UG087 Regal Purple
UG097 Bright Blue	UG001 Kings Blue
UG068 Apple Green	UG021 Leaf Green
UG031 Chocolate	UG050 Jet Black

### Designer Liner Kit

DLKIT3 1.25 oz. bottles

SG401 Black	SG402 White
SG403 Red	SG404 Blue
SG406 Brown	SG409 Bright Green

### E-Z Stroke® Kit

EZKIT1 1 oz. squeeze bottles

EZ013 White	EZ011 Neon Yellow
EZ058 Poppy Orange	EZ075 Passion Red
EZ030 Rose	EZ050 Plum Purple
EZ027 Blue Turquoise	EZ023 Midnight Blue
EZ028 Leaf Green	EZ024 Royal Blue Green
EZ010 French Brown	EZ012 Cobalt Jet Black

## Thinning E-Z

Even though E-Z Strokes® are premixed to a light-cream consistency, at times it may be necessary to add water or Thin 'n Shade to reach the desired consistency – wash, milk or light cream – for the specific effect you want to achieve.