



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



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.

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

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

Low-Fire Cover Artwork by Terri Kern

S2101 Crystal Clear Brushing applied over the right side of all chips. 2

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.

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.



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®.



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.

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 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

SG2101 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.



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

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	

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.



E-Z Stroke® Kit

EZKIT1 1 oz. squeeze bottles

EZ013 White		EZ101 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	

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.



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.