



Underglazes

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

MID-RANGE & HIGH-FIRE

CONE 5-10 / 1196°C-1305°C / 2185°F-2381°F





FUNDAMENTALS®

Underglaze



CONE 6 RESULTS (1222°C / 2232°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

MID-RANGE & HIGH-FIRE (CONE 5-10 / 1196°C-1305°C / 2185°F-2381°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 and ensure dinnerware safety. Fundamentals® can

be used for all over coverage, in design or in combination with other Mayco glazes at mid-range to high-fire temperatures for a variety of design techniques. While initially developed for low-fire, Fundamentals® Underglazes colors perform wonderfully at higher temperatures. We recommend testing at your preferred firing temperature prior to use.

Fired flat in oxidation on white stoneware 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 5-10 (1196°C-1305°C / 2185°F-2381°F).

For use on bisque, apply to cone 04 bisque, allow to dry, apply clear glaze if desired, and fire to cone 5-10 (1196°C-1305°C / 2185°F-2381°F). To intensify color or for use on dinnerware, apply a gloss or matte clear glaze. We recommend SW001 Stoneware Clear Glaze unless noted SW004 Zinc-Free Clear for mid-range. We recommend testing at your preferred firing temperature prior to use.

CONE 6 RESULTS (1222°C / 2232°F)

Fired flat in oxidation on white stoneware body



UG210
Forest Green*



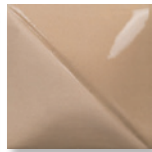
UG232
Olive*



UG220
Sage



UG234
Ivory Pearl



UG032
Cocoa



UG235
Oatmeal



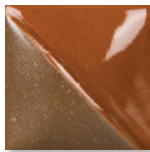
UG030
Sand



UG057
Spice Brown



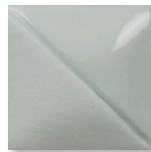
UG213
Cinnamon



UG031
Chocolate



UG034
Chestnut Brown



UG053
Silver Grey



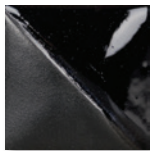
UG221
Cement



UG236
Grey



UG198
Dark Grey*



UG050
Jet Black

SW001 Stoneware Clear was applied over all chips except colors noted with (*), which have SW004 Zinc-Free Clear applied over top.

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



GO EVEN HOTTER.



Click on "Color Swatches" to view the palette at 06, 6, and 10.

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 use on dinnerware or intensify color, apply a glossy clear glaze to transform the matte finish or combine the two finishes on one piece for a stunning contrast.



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 5-10 (1196°C-1305°C / 2185°F-2381°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. Out-gassing 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.



In Combination

Fundamentals® Underglazes can be the star of your work in all over coverage or play a supporting role to other glazes. Use Fundamentals® Underglazes in combination with other Mayco products at cone 5/6 for a variety of effects.

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.



Go Hotter

Fundamentals® Underglazes and Designer Liner can take the heat with many colors maintaining their vibrancy at cone 10 oxidation, reduction or other alternative atmospheric firing conditions, such as wood, salt or raku.

Visit MaycoColors.com to see cone 10 reduction samples. Testing is recommended.



DESIGNER LINER

Designer Liner is 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. See clear recommendations below.



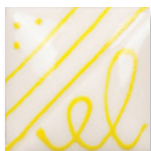
Dinnerware Safe
with Clear Glaze

CONE 6 RESULTS
(1222°C / 2232°F)

Fired flat in oxidation on
white stoneware body



SG402
White



SG407
Yellow



SG408
Orange



SG403
Red



SG410
Bright Blue



SG404
Blue



SG409
Bright Green



SG405
Green*



SG406
Brown*



SG401
Black

SW001 Stoneware Clear was applied
over all chips except colors noted with
(*), which have SW004 Zinc-Free Clear
applied over top.

GO EVEN HOTTER.



Click on "Color
Swatches"
to view the
palette at
06, 6, and 10.

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 is
best when used under non-moving
transparent or semi-transparent
mid-range or high fire glazes.



In Design

Use a brush to apply Designer
Liner to simulate a watercolor or
ink wash effect. 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 blending.



Sign the Bottom of Your Ware

Designer Liner can be used to
sign the bottom of your work
without worry of sticking to the
kiln shelf. Designer Liner is not a
dimensional product. If applied
too thick or heavy, Designer Liner
will crack and possibly pop off.



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. 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 5-10 (1196°C-1305°C / 2185°F-2381°F). For use on bisque, apply to cone 04 bisque, allow to dry, apply clear glaze if desired, and fire to cone 5-10. For rich depth and shading, apply additional thin coats. Fires matte without clear glaze. We recommend SW001 Clear Glaze unless noted SW004 Zinc-Free Clear for mid-range.



Dinnerware Safe
with Clear Glaze

CONE 6 RESULTS (1222°C / 2232°F)



GO EVEN HOTTER.

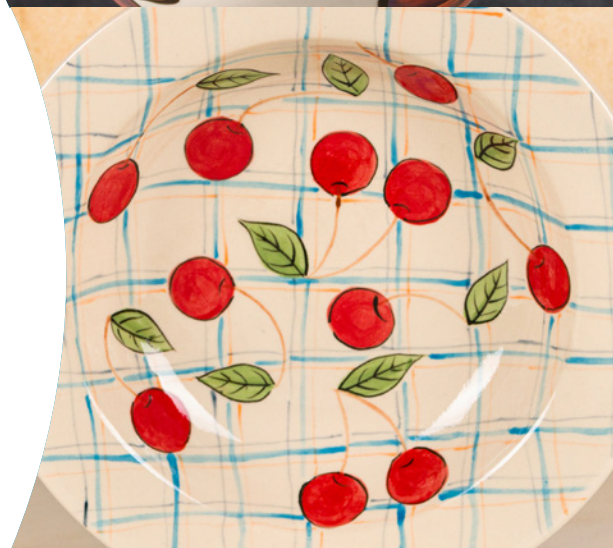


Click on "Color Swatches"
to view the
palette at
06, 6, and 10.

Fired flat in oxidation on
white stoneware body



SW001 Stoneware Clear was
applied over all chips except colors
noted with (*), which have SW004
Zinc-Free Clear applied over top.



How do Underglazes Change When Fired to Mid-Range Temperatures?

Clear Glaze

SW004 Zinc Free Clear is a specialty clear glaze designed for use on products containing chrome-based pigments. Most of Mayco Fundamentals®, Designer Liners, and E-Z Stroke® Translucent Underglazes will look best using Mayco's SW001 Stoneware Clear over them. However for some colors, we recommend using SW004 Zinc-Free Clear to ensure that you will get brilliant smooth and crystal clear surfaces over these colors. Recommended colors to use Zinc-Free Clear on are noted in this brochure with an asterisk (*) and noted on each color's label.

Fundamentals® Underglazes

Many Fundamentals® Underglazes perform well at mid-range (cone 5/6) and higher temperatures (cone 9/10), with many colors remaining matte and not sticking to the kiln shelf. However, some colors may start to develop a glossier finish and flux. Their performance at cone 6 is noted on each individual product label. We recommend testing on your clay body and in your kiln prior to use.

Designer Liner

Designer Liner fires from cone 06-10, with little change in performance between firing temperatures. Their performance at cone 6 is noted on each individual product label. We recommend testing on your clay body and in your kiln prior to use. Designer Liner can be used to sign the bottom of your ware without sticking to the kiln even at higher temperatures.

E-Z Stroke® Translucent Underglazes

E-Z Stroke® colors have been designed to perform through a wide firing range. Most of the colors fire true to color up to a cone 6 firing, but some colors may fade or change color at a higher temperature, due to their chemical nature. Their performance at cone 6 is noted on each individual product label. We recommend testing on your clay body and in your kiln prior to use.

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.



Application Methods

E-Z Strokes® can be used for design techniques including sponging, splattering, stippling, stamping, 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.



Use with Silkscreens

Mix AC310 Silkscreen Medium with any Fundamentals® Underglaze, E-Z Stroke® or Designer Liner color to screenprint quickly and easily, creating fine details with your favorite Silkscreen from Mayco.



Colorful Bands

E-Z Strokes® 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 to unglazed greenware or bisque or over a base-coat color. Be sure to center the piece on banding wheel.

