Clay. Glazes. Underglazes.



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### SAFETY



Glazes identified with circle tiles with a cream rule in this booklet do not carry any seal but include the wording "Conforms to ASTM D-4236".



The Food Safe seal indicates that all FDA Guidelines for a food safe surface have been met.

A glaze's food safe status is not determined by whether it is certified "AP" or "CL".



Glazes identified with this version of the Food Safe icon are not food safe.





Safe for all ages

AP glazes are identified with circle tiles in this booklet. The Art & Creative Materials Institute AP (Approved Product) seal certifies this product to be safe for use by all ages. Conforms to ASTM D-4236.





Safe for ages 13 and older

CL glazes are identified with octagon tiles in this booklet. The Art & Creative Materials Institute CL (Caution Label) seal restricts this product from children under the age of 13. Older users must follow all cautionary labeling. Conforms to ASTM D-4236.

### OTHER ICONS



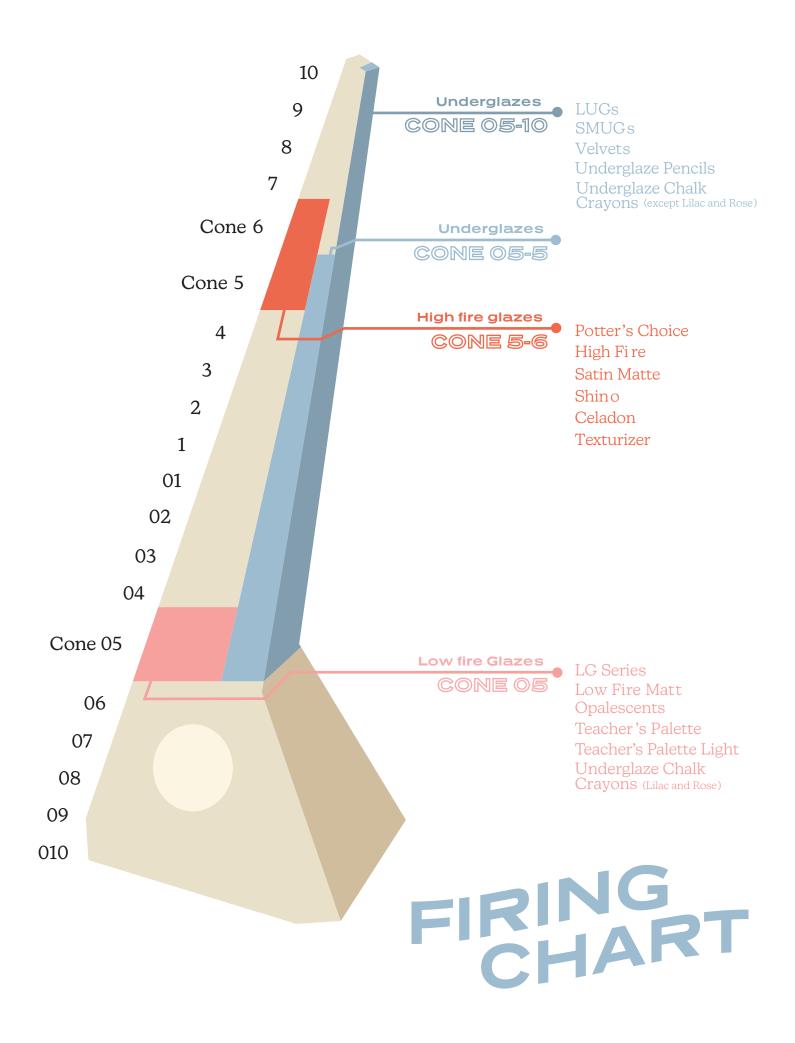
Glaze is good for mixing with other glazes within the line



Glaze is good for layering



Glaze is safe for spray application



### APPLYING GLAZE

### how do you

### APPLY GLAZE?

Glazes can be applied to ware in a variety of ways: brushing, dipping, and spraying being the most noteable. All glazes found in this brochure are brushing glazes. Some are available in dipping buckets, as noted on the product page, and all glazes safe for spray application are marked with the appropriate icon (found in the Icon Key on the inside cover). All glazes should be applied based on manufacturer's instructions as described on the individual product's label.

NOTE: Unless otherwise noted, all attractor pieces in this book were glazed according to manufacturer's instructions or by the suggested layering instructions below.

#### let's talk



low-fire layering | CONE 05

Opalescent / Velvets



= 1 brush coat

mid to high-fire layering | CONE 6

Potter's Choice / Potter's Choice



Potter's Choice / Celadon



Potter's Choice / Shino





### More examples at LayeringAmaco Glazes.com





Tile is three brush coats of top glaze over one brush coat of base underglaze on AMACO® 25-M White Art Clay fired to cone 05.



O-12 Tawny over V-361 Jet Black



O-20 Bluebell over V-389 Flame Orange



### POTTER'S CHOICE

Tiles are two brush coats of top glaze over two brush coats of base glaze on AMACO® 46-M Buff Stoneware Clay fired to cone 6.







PC-27 Tourmaline PC-30 Temmoku







PC-49 Frosted Melon

PC-30 Temmoku





Tiles are three brush coats of top glaze over three brush coats of base glaze on AMACO® 11-M A-Mix White Stoneware fired to cone 6.







PC-25 Textured Turquoise C-27 Storm









PC-48 Art Deco Green







Tiles are three brush coats of top glaze over three brush coats of base glaze on AMACO® 11-M A-Mix White Stoneware fired to cone 6.







PC-23 Indigo Float SH-45 Matcha Gloss

(AP)





PC-55 Chun Plum



(AP)

CONE 05

BISQUE [Cone 04]

CLEAR GLAZE [LG-10 Clear Transparent, Cone 05] [TP-11 Cotton, Cone 05]

WHITE GLAZE

#### White Art Clay

- great for handbuilding and throwing
- works great with low fire glazes and underglazes
- great for studio and classroom work



### NO.67

#### Sedona Red Clay

- great for handbuilding and throwing
- creates warmer and deeper glaze results







CONE 5 - 10



### 40. 11

#### A-Mix White Stoneware

- great for handbuilding and throwing
- translucent glazes appear brighter



CLEAR GLAZE

WHITE GLAZE

BISQUE

### NO. 38

#### White Stoneware

- smooth white clay
- great for throwing
- · works great in wood firing
- good for bright colored and transparent glazes



### NO. 46

### Buff Stoneware Clay

- great for handbuilding and throwing
- creates more earthy glaze results
- ideal for utilitarian ware



### NO. 77

#### Terra Cotta Stoneware Clay

- great for sculpting work
- fires to a warm terra cotta red
- good for raku firing



# UNDER GLAZE



### what is

### UNDERGLAZE?

Underglaze is a liquid clay with colorants added to it. Since they are made of the same materials as clay, underglazes do not melt like glaze and remain in place when fired. Underglazes (also called slips or engobes) can be applied to unfired clay (greenware) or bisqueware. When applied according to the manufacturer's directions, underglazes are opaque and can be used for detailed imagery. Underglazes require a food safe approved clear glaze applied and fired over them to become food-safe.

### the underglaze

### ADVANTAGE

Underglazes are perfect for adding a wide range of colored detail to your work at any cone. While some colors will shift at hotter temperatures, underglazes are designed for Cone 05 all the way to Cone 10 ceramics. They can be used for everything from graphic illustrations to realistic detailing. Because they don't run or move during firing, underglazes are ideal for sgraffito, mishima, printing techniques such as stamping and screenprinting, and surface treatments like staining.

#### need

### INSPIRATION?

Check out these artists using AMACO underglazes:

- En Iwamura -@eniwamura
- Sarah Levings -@sarahandthings
- Lakyn Bowman -@lakynbowman\_art
- Nikki Mizak -@nikkimizakceramics
- Tatiana Cordona -@femalealchemy
- Calvin Ma -@calvinma
- Sequoyah Johnson -@thecoycollection
- Kensuke Yamada -@kensuke\_yamada



### for a soft hued underglaze palette





LUG-56 Maroon



LUG-58 Dark Red



LUG-51 Rose



LUG-50 Pink



LUG-54 Lilac



LUG-53 Sun Tan



LUG-30 Light Brown



LUG-65 Orange



LUG-60 Light Yellow



LUG-61 **Bright Yellow** 



LUG-40 Chartreuse



LUG-41 Warm Green



LUG-43 Dark Green



LUG-42 Blue Green



LUG-26 Aqua



LUG-25 Turquoise



LUG-20 Light Blue



LUG-21 Medium Blue



LUG-55 Purple



LUG-22 Dark Blue



LUG-10 White



LUG-15 Warm Gray



LUG-1 Black

From top to bottom: LUG-53 Sun Tan, LUG-50 Pink, LUG-51 Rose, LUG-58 Dark Red, and LUG-56 Maroon on AMACO 25-M White Art Clay. Fired to Cone 05.









\* Approved when applied and fired under AMACO LG-10 or HF-9 clear glazes

10



Semi-Moist Underglaze Pan Set

semi-moist underglazes

No. 108 41212B



Light Yellow



Maroon



Dark Blue



Blue Green



Dark Green



Light Brown



White



Black

Semi-Moist Underglaze Pan Set

No. 109 41214S



**Bright Yellow** 





Pink



Lilac



Turquoise



Medium Blue



Warm Green



Mahogany Brown



Warm Gray

Semi-Moist Underglaze Pan Set

No. 110 41216E



Orange



Peach



Rose



Purple

Red



Light Blue



Aqua



Chartreuse



Sun Tan

Semi-Moist Underglaze Pan Set

No. 111



Real Orange



Salmon



Light Red



Violet



Amethyst



Electric Blue



Hunter Green





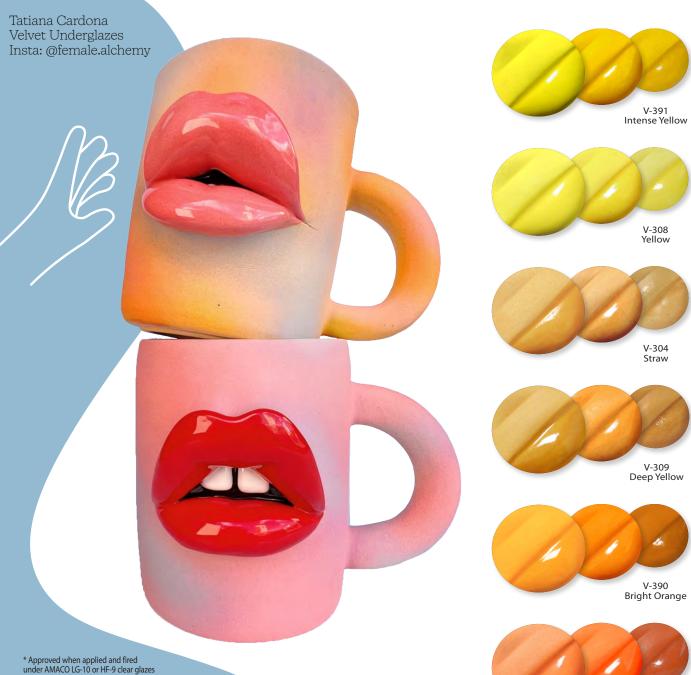
41274K





[ fires most vivid at Cone 05 ]

underglaze palette















### Velvet underglazes





### UNDERGLAZE **CHALK CRAYONS**

for chalk pastel effect

Chalk Crayons Set No. 208 - 41252J









Rose

Yellow

Dark Green

**Turquoise** 









Dark Blue

White

Brown

Black

### UNDERGLAZE







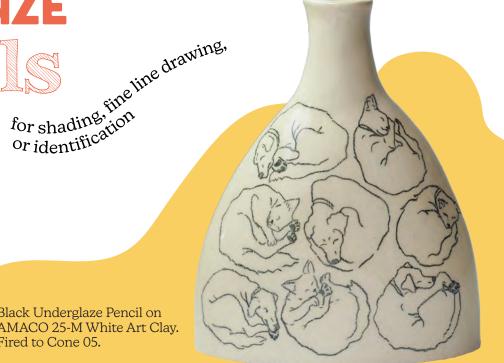






Approved when applied and fired under AMACO LG-10 or HF-9 clear glazes

Black Underglaze Pencil on AMACO 25-M White Art Clay. Fired to Cone 05.







Chalk Crayons Set No. 209 - 41253K



Yellow-Green



Medium Green



Blue-Green



Medium Blue



Lilac



Light Brown



Dark Brown



Gray

Tiles are AMACO 25-M White Art Clay. Fired to Cone 05.



ASTM D-4236





\* Approved when applied and fired under AMACO LG-10 or HF-9



### defining



Glaze is a combination of minerals similar in composition to clay that when fired melt into a hard, glass-like surface that helps seal the clay. Some glazes are meant to be decorative, some are meant to be functional. Glaze can be applied a number of ways including brushing, dipping, and spraying and must be fired in a kiln to the appropriate temperature. Usually, glaze is applied to bisqueware. Unlike underglazes, glazes melt and can flow when fired, making them less ideal for detail work.

#### what is

### V FIRE GLAZE?

AMACO low-fire glazes are formulated to be fired at Cone 05 (around 1885°F to 1915°F). Low-fire glazes are called such because they have a low melting point compared to stoneware or porcelain clays and glazes.

#### the low-fire

AMACO low-fire glazes provide a wide variety of finishes, colors, and translucencies. As many minerals or colorants may burn or flux out at higher temperatures, low-fire glazes provide a wider, more vibrant range of colors than traditionally found in high-fire lines. Additionally, while not as unmoving as underglazes, several of AMACO's low-fire glaze lines (including Teacher's Pallette) remain stiff enough during firing to be used similarly to paint, making them ideal for classrooms, especially introductory ceramic classes.

#### need

Check out these artists using AMACO low-fire glazes.

- Erin Furimsky @erinfurimsky Brett Kern @brettkernart
- Justin Rothshank @irothshank Zach Tate @zachtate\_artist





# for painterly details



Tiles are AMACO 25-M White Art Clay. Fired to Cone 05.



ASTM D-4236













Application



Tiles are AMACO 25-M White Art Clay. Fired to Cone 05.



ASTM D-4236













Application

### for enhancing texture





# Oncescent Corpean-like surfaces



0-42 Moss Green



0-21 Aquamarine



0-26 **Turquoise** 



O-20 Bluebell





Sapphire Blue



**Mottled Burgundy** 



Black Tulip



















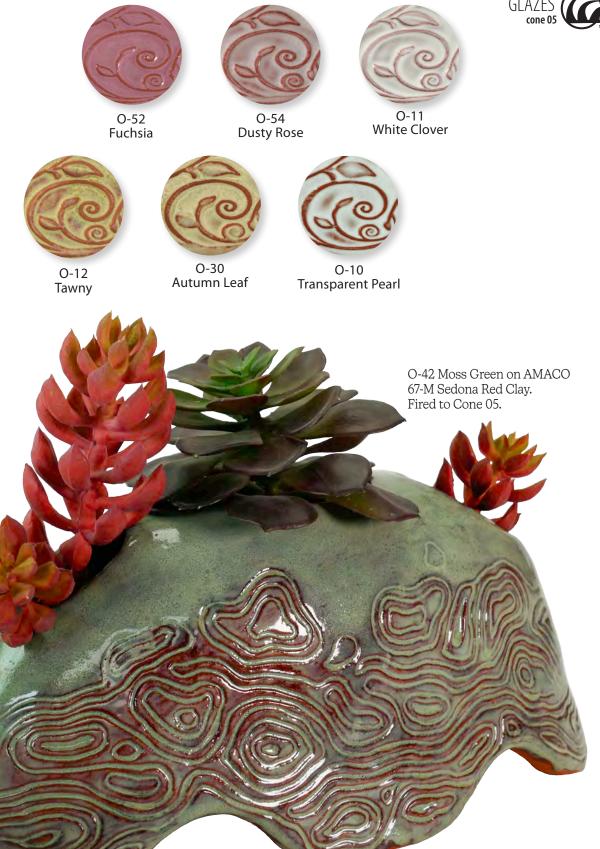












[best results on red clay]
Tiles are AMACO 67-M Sedona Red Clay. Fired to Cone 05.

Conforms to ASTM D-4236

Conforms to ASTM D-4236 Food Safe Laye

\*AP glazes safe for Spray Application

Safe for Spray Application



Vipoo Sirvilsa Porcelain with Celadon glazes Insta: @vipooart

### defining



Glaze is a combination of minerals similar in composition to clay that when fired melt into a hard, glass-like surface that helps seal the clay. Some glazes are meant to be decorative, some are meant to be functional. Glaze can be applied a number of ways including brushing, dipping, and spraying and must be fired in a kiln to the appropriate temperature. Usually, glaze is applied to bisqueware. Unlike underglazes, glazes melt and can flow when fired, making them less ideal for detail work.

#### what is

### MID-FIREGLAZE?

AMACO mid-fire glazes are formulated to be fired between Cone 5 and Cone 6 (around 2167°F to 2269°F) but some, such as our Celadon glazes, will fire as high as Cone 10 (around 2381°F).

### the high-fire

### ADVANTAGE

AMACO mid-fire glazes provide a wide variety of finishes, colors, and translucencies. They yield similar results to Cone 10 ceramic ware without the added expense or damage to your equipment. Mid- and high-fire ware is more vitreous, meaning fired pieces are more impervious to water and made to withstand wear and tear. Several of AMACO's mid-fire lines (including Potter's Choice, Shino, and Celadon) are formulated to imitate traditional glazes and are ideal for layering, opening a world of countless, unique combinations.

### need

### INSPIRATION?



Check out artists using AMACO mid-fire glazes by visiting: https://www.amaco.com/layering

# High Fire for opaque vivid color





**Red Gloss** 



Scarlet Red



**Coral Gloss** 



Clementine



HF-166 Orangerie



HF-161 **Bright Yellow** 



Chartreuse



HF-125 Turquoise



HF-129 **Baby Blue** 



HF-26 Sahara Turquoise [matte]



HF-127 China Blue





HF-171



Zinc-Free Clear



HF-10 Clear

exturize



HF-11 White



Black





Amethyst









\* AP glazes are safe for





adds depth and variety to any high fire glaze







TH-1 Texturizer over PC-29 Deep Olive Speckle









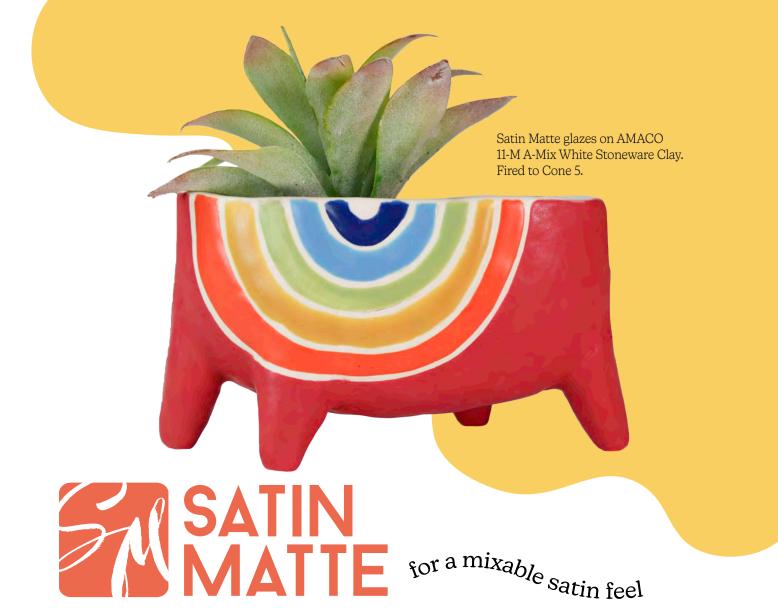




Tiles are AMACO 11-M A-Mix White Stoneware Clay. Fired to Cone 5.



High Fire glazes on AMACO 11-M A-Mix White Stoneware Clay. Fired to Cone 5.



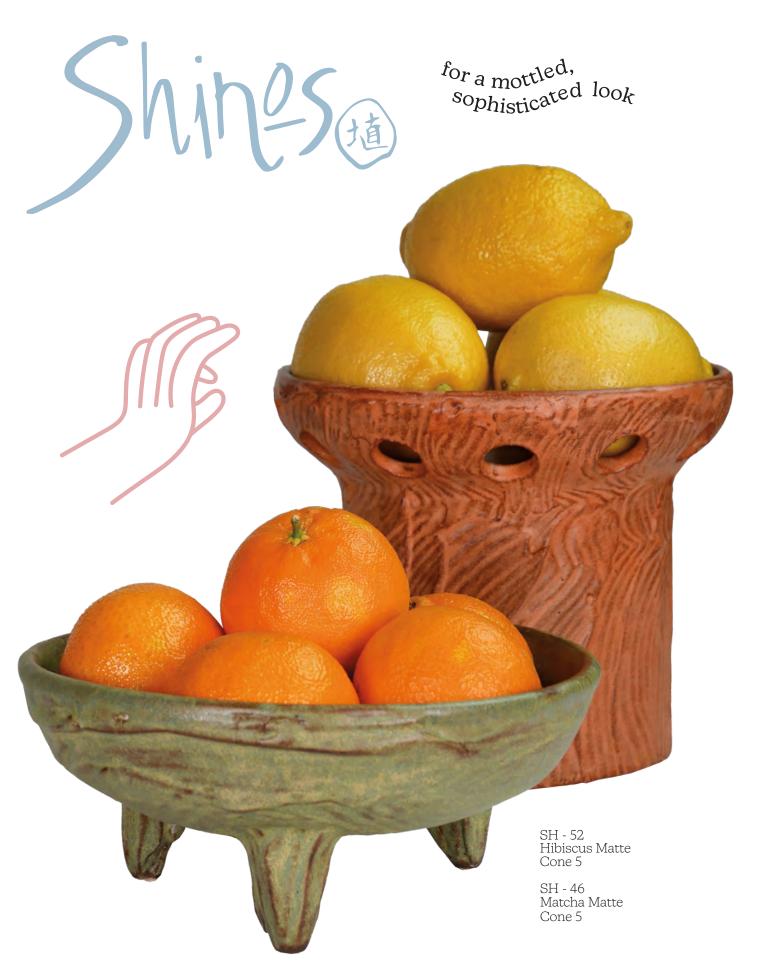




Application







## G/055



SH-41 Oolong Gloss



SH-11 Chai Gloss



SH-21 Acai Gloss



SH-31 Cacao Gloss



SH-45 Matcha Gloss



SH-51 Hibiscus Gloss

# Matte



SH-42 Oolong Matte



SH-12 Chai Matte



SH-22 Acai Matte



SH-32 Cacao Matte



SH-46 Matcha Matte



SH-52 Hibiscus Matte











# POTTER'S — choice



PC-1 Saturation Metallic



PC-2 Saturation Gold



PC-4 **T** Palladium



PC-9 **1** Vintage Gold



PC-10 June Bug



PC-11 Blue Spark



PC-12 Blue Midnight



PC-15 Satin Oribe



PC-16 Purple Crystal



PC-17 Honey Flux



PC-20 Blue Rutile



PC-21 Arctic Blue





PC-22 Blue Stone



PC-23 Indigo Float



PC-24 Sapphire Float

Tiles are AMACO 46-M Buff Stoneware Clay. Fired to Cone 5.









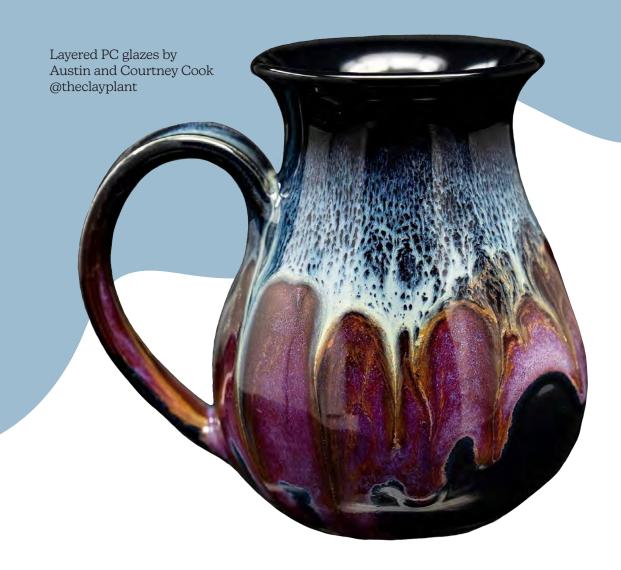




\*\* All No Seal and AP glazes are safe for spray application except PC-29 Deep Olive Speckle, PC-52 Deep Sienna Speckle, PC-59 Deep Firebrick, and PC-63 Cosmic Tea Dust









PC-40 True Celadon



PC-45 Dark Green



PC-41 Vert Lustre



PC-46 Lustrous Jade



PC-42 Seaweed



PC-47 Emerald Falls



PC-43 Toasted Sage



PC-48 Art Deco Green



PC-44 Sage



PC-49 Frosted Melon





PC-52 Deep Sienna Speckle



PC-53 Ancient Jasper



PC-55 Chun Plum



PC-56 Ancient Copper



PC-57 Smokey Merlot



PC-58 Tuscany



PC-59 Deep Firebrick



PC-61 Textured Amber



PC-62 Textured Amber Brown



PC-63 Cosmic Tea Dust



PC-64 **Aventurine** 



PC-65 Black Aventurine



PC-66 Cosmic Oil Spot



PC-67 River Rock



PC-70 Copper Red



PC-71 Flambé













# Celaclon



# For a mixable transparent color







Select colors available in gallons



Available in 10lb dipping buckets





ASTM D-4236











Mixable

