2024 FILE GULE

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. Conforms to ASTM D-4236.

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



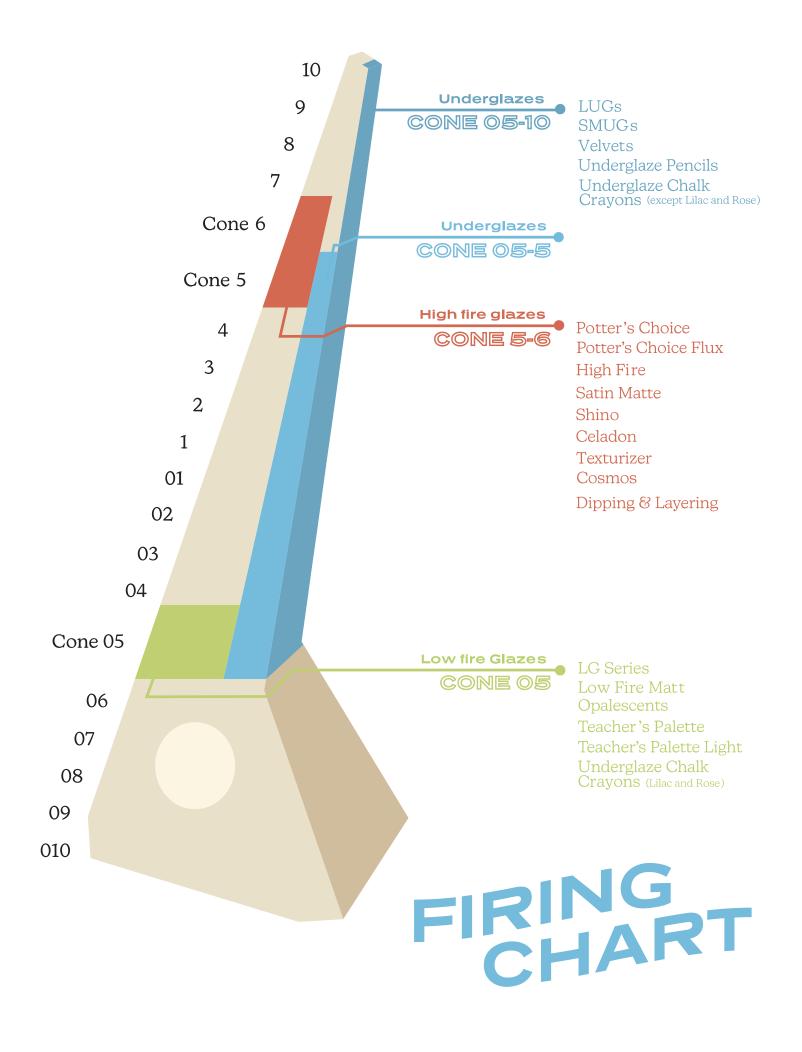
Glaze is good for mixing with other glazes within the line



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





mid to high-fire layering CONE 6



low-fire layering

Opalescent / Velvets



These layering recommendations are for brushing glazes only. Visit page 42 for information about layering with the Dipping & Layering glazes.



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.













Emerald Falls

PC-24 Sapphire Float



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 C-27

Storm



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-62 Textured Amber Brown PCF-7 4 River Birch

(AP)





PC-16 Purple Crystal PCF-18





CONE 05

BISQUE

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

WHITE GLAZE

NO.25

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





MID TO HEID TO

CONE 5 - 10



NO. 11

A-Mix White Stoneware

- great for handbuilding and throwing
- translucent glazes appear brighter



CLEAR GLAZE

[HF-9 Zinc-Free Clear, Cone 5]

WHITE GLAZE

[HF-11 White, Cone 5]

BISQUE

[Cone 04]

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
- · 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 on Instagram 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





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. Glazed with LG-10 Clear Transparent. Fired to Cone 05.







Application



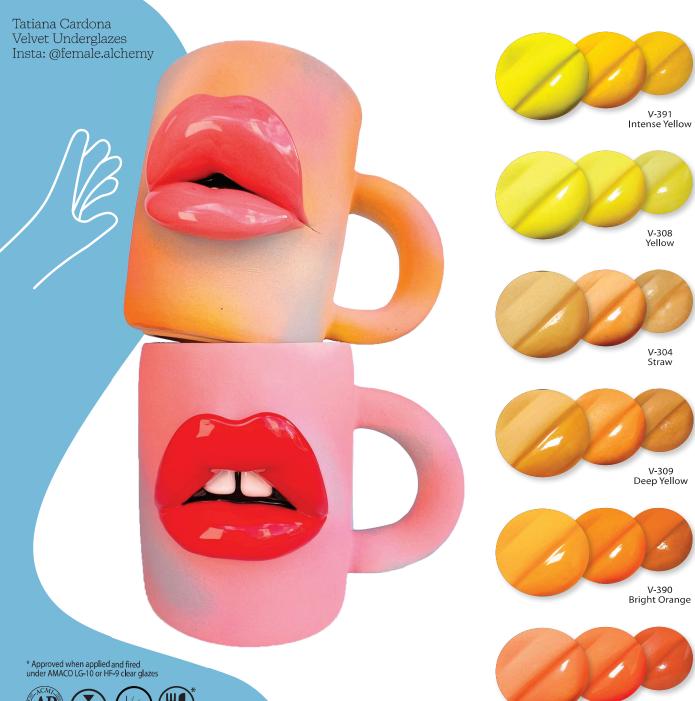


Layering





underglaze palette













Safe for Spray Application

V-384 Real Orange



















UNDERGLAZE CHALK CRAYON

_{for} chalk pastel effect

Chalk Crayons Set No. 208 - 41252J









Rose

Yellow

Dark Green

Turquoise









Dark Blue

White

Brown

Black

INDERGLAZE





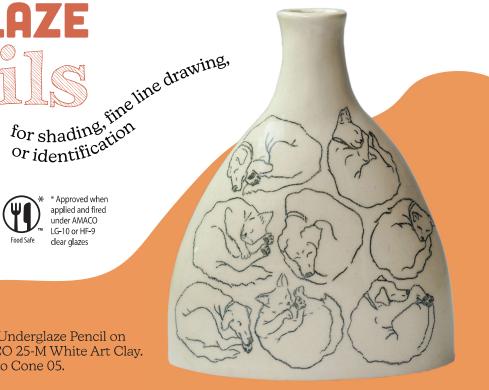


* Approved when applied and fired under AMACO LG-10 or HF-9 clear glazes





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



Underglaze Chalk Crayons 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.







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



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 @jrothshank
 Zach Tate @zachtate_artist

TEACHER'S

for painterly details



TP-52



TP-58 Brick Red



TP-56 Scarlet



TP-64 Carrot



TP-65 Pumpkin



TP-30 Caramel



Raspberry

TP-53 Pig Pink



TP-62 Maize



TP-60 Lemon



TP-42 Granny Smith



TP-40 Mint Green



TP-43 Green Leaf



TP-41 Frog Green



TP-22 Blue Green



TP-26 Robin's Egg



TP-20 Sky Blue



TP-24 Medium Blue



TP-21 Midnight B**l**ue



TP-54 Lilac



TP-51 Grape



TP-32 Fudge Brown



TP-11 Cotton



TP-15 Gray



TP-1 Coal Black

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

















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











ASTM D-4236

Safe for Spray Application





Chalescent for pearl-like surfaces



0-42 Moss Green



0-21 Aquamarine



0-26 Turquoise



0-20 Bluebell



Sapphire Blue



O-57 **Mottled Burgundy**



Black Tulip



Tiles are AMACO 67-M Sedona Red Clay. Fired to Cone 05.































O-52 Fuchsia



O-54 Dusty Rose



O-11 White Clover



O-12 Tawny



O-30 Autumn Leaf



O-10 Transparent Pearl



Conforms to ASTM D-4236





Safe for Spray Application

MID TO HIGH FIRE GLAZE



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

High Fire for opaque vivid color



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



Conforms to Conforms to ASTM D-4236 ASTM D-4236





Food Safe



Safe for Spray Application



*AP glazes are safe for spray application.



Available in Dipping Buckets: HF-9 Zinc Free Clear

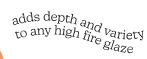




TH-1 Texturizer over PC-29 Deep Olive Speckle





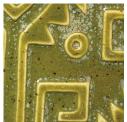




ASTM D-4236



PC-29 Deep Olive Speckle over TH-1 Texturizer





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

for a mixable satin feel





SM-51 Red





SM-68 Orange



SM-60 Goldenrod



SM-63 Yellow



SM-44 Chartreuse



SM-42 Mint



SM-46 Moss



SM-27 Teal



SM-29 Blue Green



SM-20 Light Blue



SM-24 Seafoam



SM-21 Dark Blue



SM-2 Stone



SM-3 Marble



SM-11 White



SM-10 Clear Satin



SM-1 Black

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

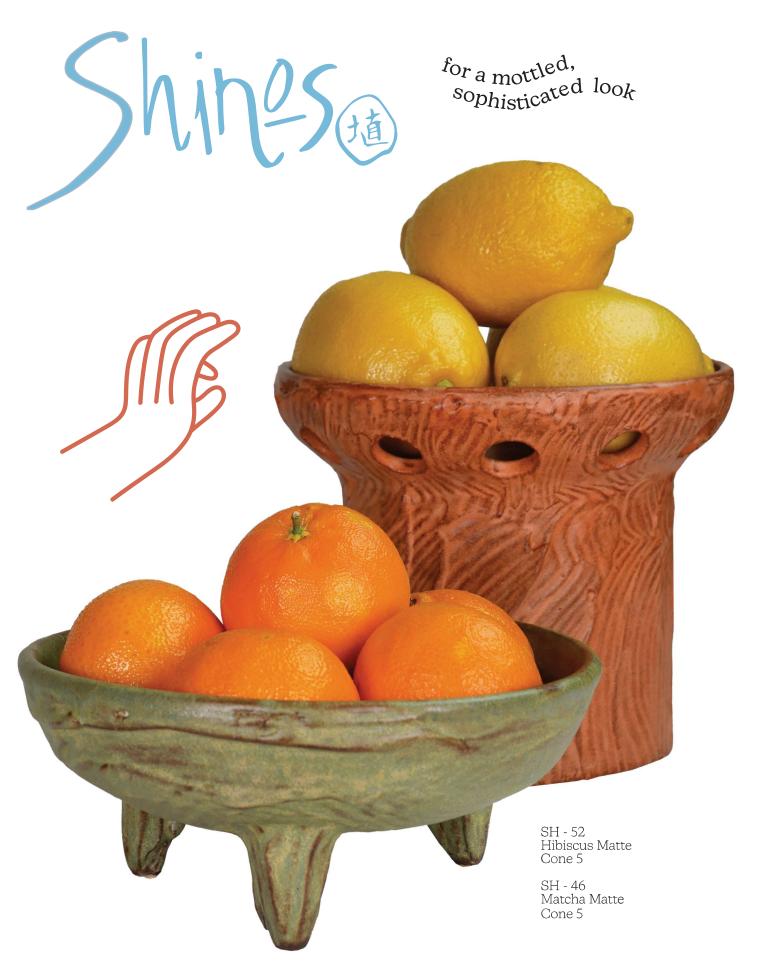
Safe for Spray Application .



Conforms to ASTM D-4236







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



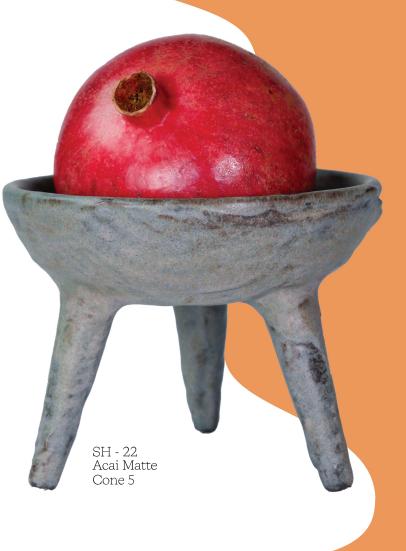
SH-32 Cacao Matte



SH-46 Matcha Matte



SH-52 Hibiscus Matte











Food Safe Mixable Safe for Spray
Application

POTTER'S == choice



PC-1 Saturation Metallic



PC-2 Saturation Gold



PC-4 **P**



PC-9 📆 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



PC-25 Textured Turquoise



PC-26 Blue Lagoon



PC-27 Tourmaline



PC-28 Frosted Turquoise

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

for a reduction look



PC-29 Deep Olive Speckle



PC-30 Temmoku



PC-31 Oatmeal



PC-32 Albany Slip Brown



PC-33 Iron Lustre



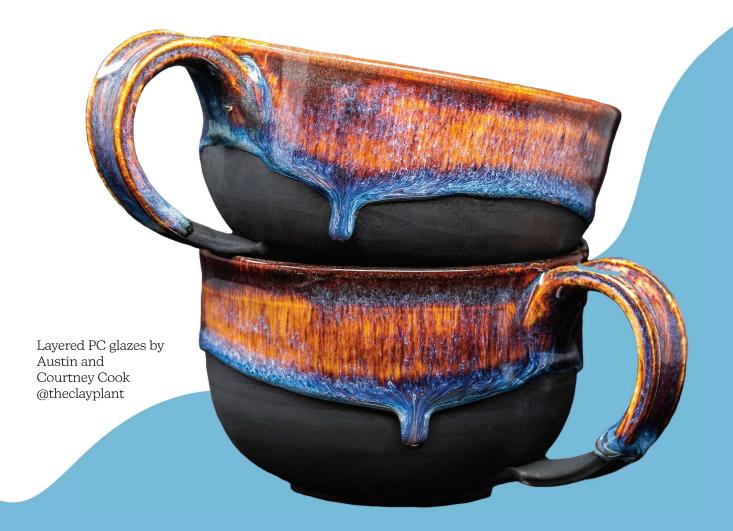
PC-34 Light Sepia

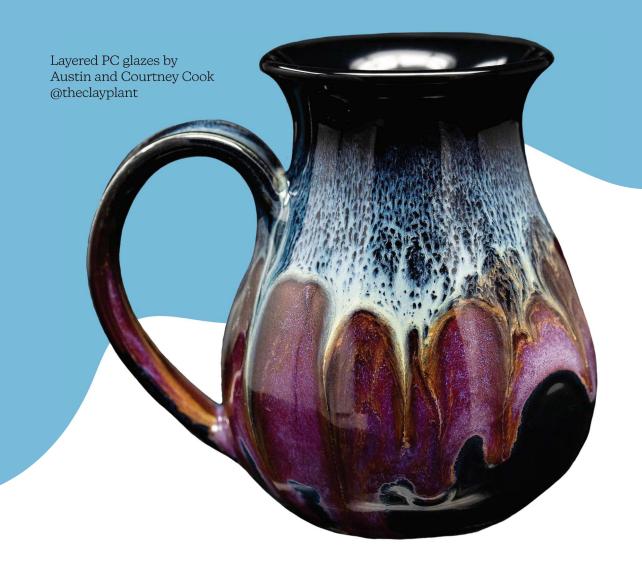


PC-36 Ironstone



PC-38 Iron Yellow







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





PC-52 Deep Sienna Speckle



PC-53 Ancient Jasper



PC-55 Chun Plum



PC-57 Smokey Merlot



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







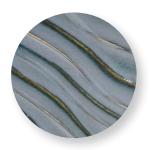












PCF-3 Midnight Run



PCF-18 Honeydew



PCF-19 Cirrus Flow



PCF-54 Flux Blossom



PCF-74 River Birch



PCF-75 Moss Mist

Tiles are AMACO 11-M White Art Clay. Fired to Cone 6.

designed for movement and flow





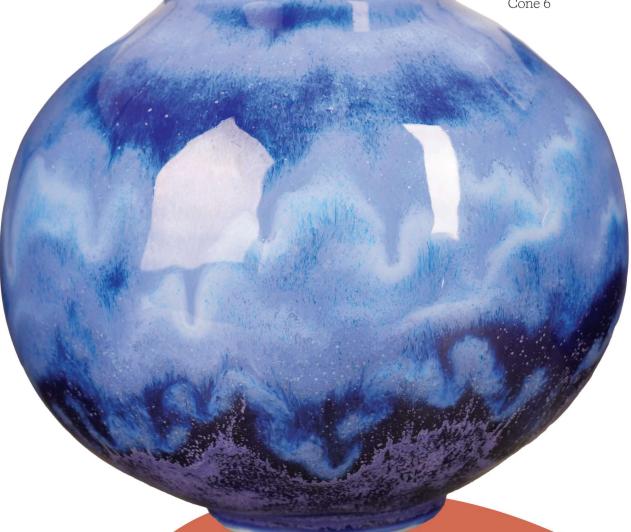




*Glazes marked as AP are safe for spray application.

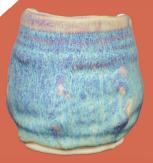
Great for layering!

PCF-18 Honeydew / PC-16 Purple Crystal Porcelain clay Cone 6





PC-52 Deep Sienna Speckle/ PCF-75 Moss Mist



PCF-54 Flux Blossom/ PC-70 Copper Red



PCF-18 Honeydew/ PC-55 Chun Plum



PC-70 Copper Red/ PCF-3 Midnight Run



PCF-19 Cirrus Flow/ PC-30 Temmoku

Celaclon



Insta: @vipooart

For a mixable transparent color









Select colors available in gallons



















*COSMEDS

GLAZES THAT ARE OUT OF THIS WORLD



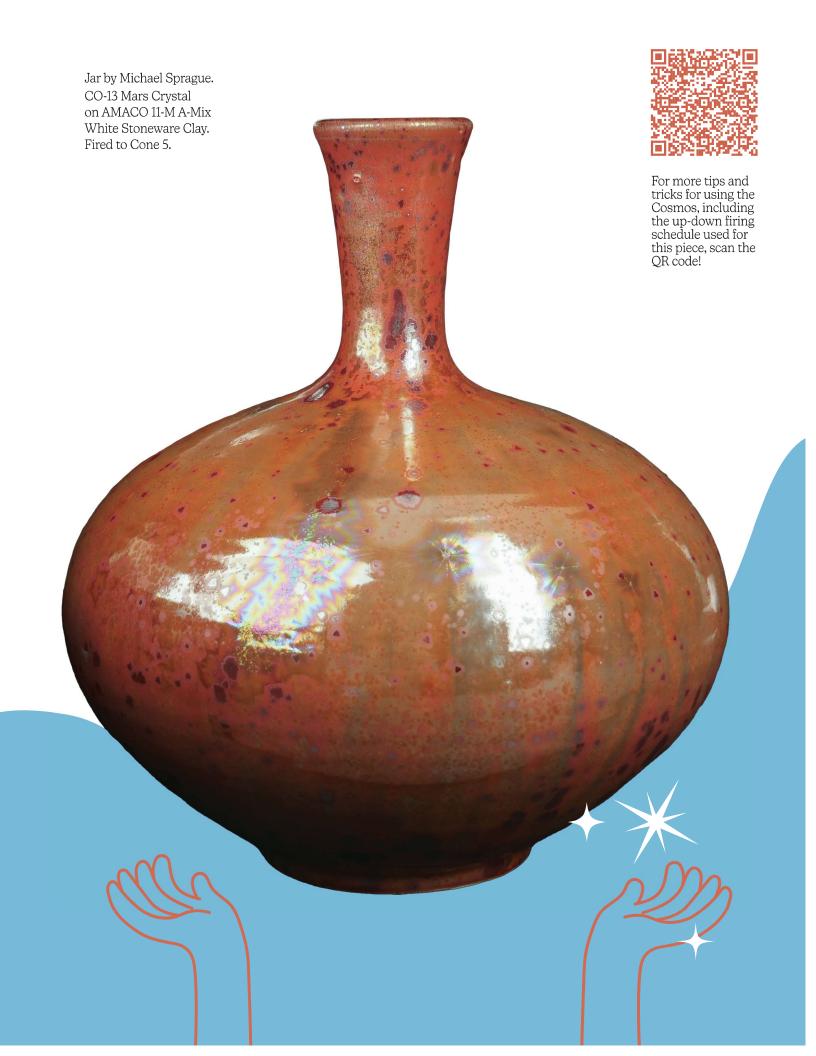
CO-8 Dark Star on AMACO 11-M A-Mix White Stoneware Clay. Fired to Cone 6. crystalline glaze effects, no hold necessary

FAQ

Apply to... Cone 04 Bisqueware **Number of coats?** 4 coats **Fire to...** Cone 5 - 6

Food safe? Yes, but due to durability, these glazes are not recommended for food surfaces.

Layering? You can layer these glazes but may lose crystalline effects in firing.





DL-11 Enamel White over DL-33 Low Tide



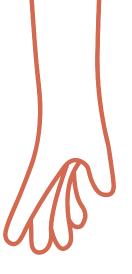
DL-11 Enamel White over DL-42 River Moss



DL-11 Enamel White over DL-20 Floating Blue



DL-20 Floating Blue over DL-60 Honeycomb





DL-70 Oxblood over DL-42 River Moss



DL-33 Low Tide over DL-23 Ultramarine













 ${\it Tiles are AMACO\,11-M\,A-Mix\,White\,Stoneware\,Clay.\,Fired\,to\,Cone\,5.}$ Layering cups are fired to Cone 6.





FAQ

Apply to... Cone 04 Bisqueware **Dip duration?** 1-3 seconds

Fire to Cone 5 - Cone 6

Food safe? Yes, all Dipping and Layering glazes hold a food safety status.

How much glaze does each bag produce? At least 10 pints or 1.25 gallons.

designed to be dipped and layered with ease



Explore layering combinations!



amaco.com/glazes -and-underglazes/ layering

Learn about equipment maintenance!



https://www.youtube.com/@AMACOBrent

Find lesson plans for clay projects!



https://www.amaco.com/lesson_plans

Find complete k-12 clay curriculum!



https://www.amacoclassroom.com/

stay connected!

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TikTok @amaco_brent

find a local distributor



Where can you buy Amaco Brent products?

Visit <u>amaco.com/dealers</u> to find a distributor near you.



THANK YOU FOR BEING AN AMACO BRENT CUSTOMERII



we are here to help!

You can contact our Technical Support team with any glaze or equipment questions.

Monday-Friday 8:00 a.m. – 5:00 p.m., Eastern Time Zone Email: customercare@amaco.com Toll Free: (800) 999-5456 Local: (317) 683-1303

