

Gourd Jar with up-down firing by Michael Sprague

the COSMOS + ADVANTAGE

• Iridescent, crystalline effects right out of the jar

- Grows dramatic crystals fast- no hold necessary
- Variety of colors and aesthetic versatility!







CO-8 Dark Star

Category: Mid-High Fire Glaze **Firing Temperature:** Cone 5 - Cone 6 *Tiles are AMACO A-Mix White Stoneware No.11. CO-6 tile was fired to Cone 5. Remaining tiles fired to Cone 6.*



CO-6 Supernova



CO-13 Mars Crystal

CO-14 Solar Rainbow

Definition of Cone Temperatures

Cone 5 = 1184 °C (at 150°C/hour for the final 100°C of firing) / 2201°F (at 270°F/hour in the final 200°F of firing) Cone 6 = 1241°C (at 150°C/hour for the final 100°C of firing) / 2266°F (at 270°F/hour in the final 200°F of firing)

LAYERING WITH VELVET UNDERGLAZES

CO-6 Supernova layers nicely with AMACO's Velvet Underglazes. Tiles on AMACO A-Mix White Stoneware No.11. Fired to Cone 5.



Cover Gourd Jar: CO-14 Solar Rainbow on AMACO A-Mix White Stoneware No.11. Custom firing schedule on next page.

TIPS AND TRICKS

- For best results, leave inside or back of form unglazed to avoid pinholing.
- Firing schedules:
 - + Can be fired in a normal, medium speed firing with no special cooling schedule
 - + Use a controlled cooling schedule for increased crystal growth
- If glazing a piece all the way to the end of the foot, we recommend using • a drip tray to protect your kiln shelves. Scan the QR code to learn how!

BEST FORMS AND USES

TIP: Use horizontal textures at or near the base of pieces to slow down or catch the flow of glaze!

CO-7 Solar Flare on AMACO A-Mix White Stoneware No. 11. Fired to Cone 5.



Decorative (non-functional vessels)

CO-13 Mars Crystal on AMACO A-Mix White Stoneware No. 11. Fired to Cone 6.



Sculpture

CO-14 Solar Rainbow on AMACO A-Mix White Stoneware No.11. Fired to Cone 5.



Tiles

VERTICAL VS HORIZONTAL

Crystals will develop on both horizontal and vertical surfaces. Vertical surfaces will encourage running. Tiles are AMACO A-Mix White Stoneware No.11, fired to Cone 5.



CO-8 Dark Star Fired Vertically



CO-13 Mars Crystal Fired Vertically





Fired Horizontally

TP: More coats can mean more magic, but it also means more running. Protect your kiln shelves!

FAO

Apply to... Cone 04 Bisqueware

Number of coats? 4 coats

Fire to... Cone 5 - Cone 6

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



How to Use a Drip Tray

TAKE YOUR COSMOS TO THE NEXT LEVEL

While these glazes can produce crystalline glaze effects with no special schedules, using a controlled cooling schedule can increase crystal growth and take your glazes to the next level!

Also, the chemistry of these gorgeous glazes makes them prone to pinholing. We have a couple ways to counter this:

- **1.** Use on a narrow neck or closed form and DO NOT glaze the inside. This will allow gasses to escape through the unglazed area.
- **2.** If the inside and outside of the pot is glazed, we recommend this firing schedule (see below):

RAMP SEGMENT	RATE (FAHRENHEIT)	TEMP (FAHRENHEIT)	HOLD
1	400°	2000°	0:00
2	120°	2225°	0:00
3	9999°	1600°	0:00
4	400°	2000°	0:00
5	120°	2160°	0:05

COSMOS UP-DOWN FIRING SCHEDULE

Vases are CO-14 Solar Rainbow on AMACO A-Mix White Stoneware No.11.



Normal Cone 6, glazed inside and out



1. Normal Cone 6, unglazed inside



2. Up-Down Schedule, glazed inside and out