

Fibonacci Fade Plate



Combine mathematics and metallics to create this handsome design!

What is the Fibonacci Sequence?

The Fibonacci sequence is a numbering system found in nature, from flower petals and pinecones to seashells. It's pleasing to the eye (even if you're not aware of it) and a versatile design tool. It starts with a one (or a zero), followed by a one. Each subsequent number is equal to the sum of the preceding two numbers:

F (1) = 1, 1, 2, 3, 5, 8, 13, 21...

For this project, we've translated the beginning of this Fibonacci sequence into centimeters and arranged them to transition from one color to another.

Directions

- Cut a 12 cm wide strip of Medium Amber, Gold Irid that will yield all of the strips, (which total 20 cm). Then score & break out strips in the following dimensions.
 - 1 cm x 12 cm (2x)
 - 2 cm x 12 cm
 - 3 cm x 12 cm
 - 5 cm x 12 cm
 - 8 cm x 12 cm
- Repeat with Light Silver Gray, Silver Irid.
- Arrange the strips to transition from one color into the next. See sequence example, above right.
- Measure and cut 3 mm Clear to fit, approximately 12 cm x 40 cm.
- Clean and load the strips with the iridescent coating face down on a primed kiln shelf. Cap with Clear and fire to a full fuse.



ABOVE: Sequence example.

- Coldwork the perimeter prior to slumping for crisp and clean edges.
- Slump with the irid layer facing up.
(Note: This plate only uses a portion of the mold.)

Firing Schedules

- [Tip Sheet 7: Platemaking Tips](#) (basic fuse firing)
- [Mold Tips: Suggested Slumping Schedules](#)

Materials

- Medium Amber, Gold Irid ([001137-0038](#))
- Light Silver Gray, Silver Irid ([001429-0037](#))
- Tekta Clear ([001100-0380](#))
- Medium Channel Plate Mold ([008944](#))