

# ⊕ Quick Tip: 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.

### Materials

- 3mm Medium Amber, Gold Irid (001137-0038)
- 3mm Light Silver Gray, Silver Irid (001429-0037)
- 3mm Tekta Clear (001100-0380)
- Channel Plate Mold 17" (8944)

### Directions

1. Cut a 12cm wide strip of Medium Amber, Gold Irid that will yield all of the strips, (which total 20cm). Then score & break out strips in the following dimensions.
  - 1cm x 12cm (x 2)
  - 2cm x 12cm
  - 3cm x 12cm
  - 5cm x 12cm
  - 8cm x 12cm
2. Repeat with Light Silver Gray, Silver Irid.
3. Arrange the strips to transition from one color into the next. See sequence example.

4. Measure and cut 3mm Clear to fit, approximately 12cm x 40cm.
5. 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.
6. Coldwork the perimeter prior to slumping for crisp and clean edges.
7. Slump with the irid layer facing up. (Note: This plate only uses a portion of the mold.)

For firing schedules, see Tip Sheet 7, Platmaking Tips (Basic Fuse Firing) & Mold Tips: Suggested Slumping Schedules.



Sequence example