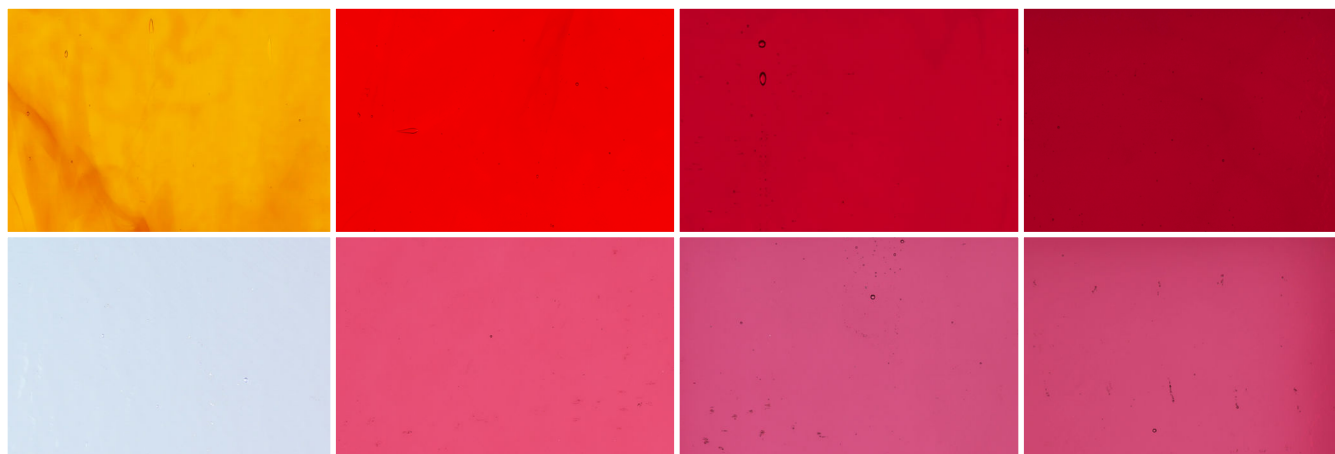


Striking Sheet for Stained Glass & Mosaics



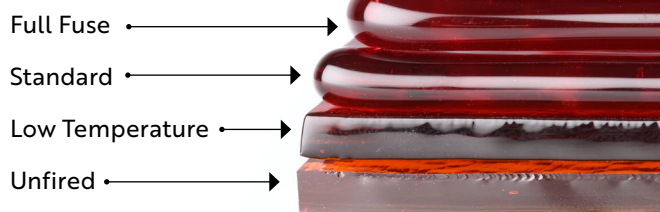
Fire Bullseye striker sheet glass to develop color for stained glass and mosaic works. There's more than one way to go about it, with options for color, texture, and more. Choose a path—color awaits!

In factory production, color is evaluated after firing to a full fuse (1480 °F / 804 °C) with a sheet of clear to make a 6 mm thick tile. When firing a *single* sheet, the same firing develops color and shrinks the footprint. It also may create a large bubble *underneath* the sheet glass, *unless* the kiln is set up properly. Firing to lower temperatures also develops color and may be the right approach for your project.

IN THIS DOCUMENT YOU'LL FIND:

- Firing schedules paired with fired samples to show color development.
- Kiln set-up instructions to avoid a bubble under the glass.
- Notes about when and how to fire with a *Gold Hold*.
- Images to show texture details and dimensional changes.

Detail of unfired and fired 3 mm sheets to show changes in edge qualities and dimensions.



General Kiln Setup

- Use a flat, elevated kiln shelf prepared with a recommended separator, appropriate for the temperature and size of the sheet glass.
- If needed, 1/16" fiber paper is effective in all instances. Thicker fiber paper may be substituted.
- When firing on fiber paper topped with ThinFire, careful removal of the fired sheet can preserve fired fiber paper (in-place) for re-use with a new sheet of ThinFire on top.

Gold Hold when Striking Transparent Pink, Purple, and Coral

Transparent glass styles that contain gold as a colorant require a 2:00 hold at 1200 °F / 649 °C in their first firing to develop color. This is referred to as a *Gold Hold* and is an important step that should not be overlooked. Refer to the list of sheet glass styles (see pg 2) where this step should be built into the striking firing schedule.

Striking -0050 Thin Sheet Glass

Thin sheet glass is more prone to shrink in footprint and develop a bubble underneath at higher temperatures, so we generally advise against a Full Fuse Strike. The Thin Strike schedule is a modified Standard Strike, firing cooler with a shortened hold to develop color while helping to maintain the footprint. Consider firing on fiber paper topped with ThinFire for all sheets 10" x 10" and larger to reduce the risk of a bubble. The Low Temperature Strike can be used as written. Expect thins to produce similar color results to their 3 mm counterparts with slightly more rounded and pulled-in edges.

About Our Glass

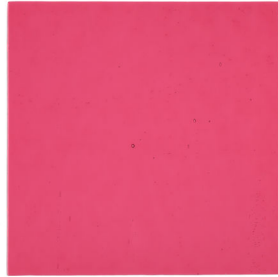
Many sheet glass styles fire with streaks, mottles, and other characteristics that can be difficult to predict based on the unfired sheet. See *About Our Glass* at bullseyeglass.com for glass style specific information.

Unfired 3 mm Sheet



Light Pink 001215◆

Low Temp Strike
1275 °F / 691 °C



Standard Strike
1425 °F / 774 °C



Full Fuse Strike
1480 °F / 804 °C



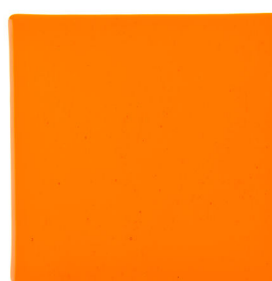
Ruby Pink Tint 001831◆



Red 001122



Light Orange 001025



◆Gold Hold Required

Sensitive Styles/Light Pink Transparents

- Light Pink (001215)
- Burnt Scarlet Tint (001823)
- Ruby Red Tint (001824)
- Ruby Pink Tint (001831)
- Special Production transparent pink striking styles

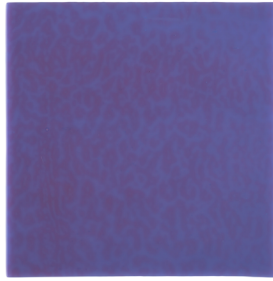
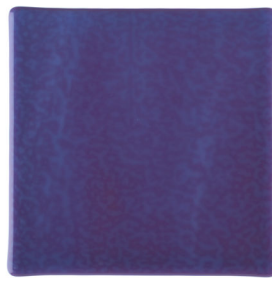
Unfired sample size is 4" x 4" or ≈10 x 10 cm

Gold Hold Recommended

Darker Transparents

- Light Coral (001205)
- Violet (001234)
- Sunset Coral (001305)
- Cranberry Pink (001311)
- Fuchsia (001322)
- Gold Purple (001334)
- Special Production transparent purple styles

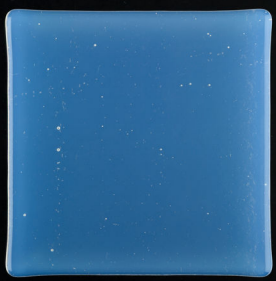
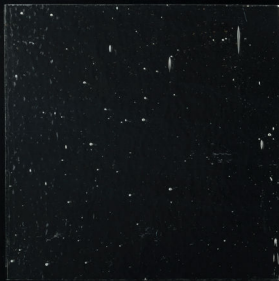
Unfired 3 mm Sheet

Low Temp Strike
1275 °F / 691 °CStandard Strike
1425 °F / 774 °CFull Fuse Strike
1480 °F / 804 °C

Gold Purple Opalescent 000334



Peach Blush Opalescent 000435



Opaline Opalescent 000403

Low Temperature Strike			
SEG	RATE	TEMP	HOLD
1	400 °F / 222 °C	1200 °F / 649 °C	2:00
2	600 °F / 333 °C	1275 °F / 691 °C	0:30
3	AFAP*	900 °F / 482 °C	0:45
4	150 °F / 83 °C	700 °F / 371 °C	0:00
5	AFAP	70 °F / 21 °C	0:00

Full Fuse Strike			
SEG	RATE	TEMP	HOLD
1	400 °F / 222 °C	1200 °F / 649 °C	0:20**
2	600 °F / 333 °C	1480 °F / 804 °C	0:10
3	AFAP	900 °F / 482 °C	0:45
4	150 °F / 83 °C	700 °F / 371 °C	0:00
5	AFAP	70 °F / 21 °C	0:00

Standard Strike			
SEG	RATE	TEMP	HOLD
1	400 °F / 222 °C	1200 °F / 649 °C	0:20**
2	600 °F / 333 °C	1425 °F / 774 °C	0:10
3	AFAP	900 °F / 482 °C	0:45
4	150 °F / 83 °C	700 °F / 371 °C	0:00
5	AFAP	70 °F / 21 °C	0:00

Thin (-0050) Strike			
SEG	RATE	TEMP	HOLD
1	400 °F / 222 °C	1200 °F / 649 °C	0:20**
2	600 °F / 333 °C	1415 °F / 768 °C	0:05
3	AFAP	900 °F / 482 °C	0:45
4	150 °F / 83 °C	700 °F / 371 °C	0:00
5	AFAP	70 °F / 21 °C	0:00

*As fast as possible (AFAP).

**2:00 for *Gold Hold* styles.

Observations and Separator Preferences, 3 mm (-0030)



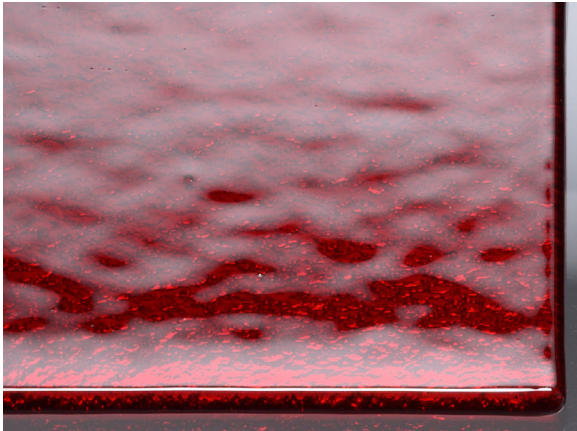
Low Temperature Strike 1275 °F / 691 °C - 0:30

Color: Can be underdeveloped compared to Bullseye target color range¹.

Dimensional Changes: Subtle changes to footprint and edges.

Separator: ThinFire preferred. Alternatively, an intact layer of Bullseye Shelf Primer can also be effective, even after it has been fired.

Effective to strike, then cut project pieces. The best option for striking pre-cut project pieces to remain close to the original footprint.



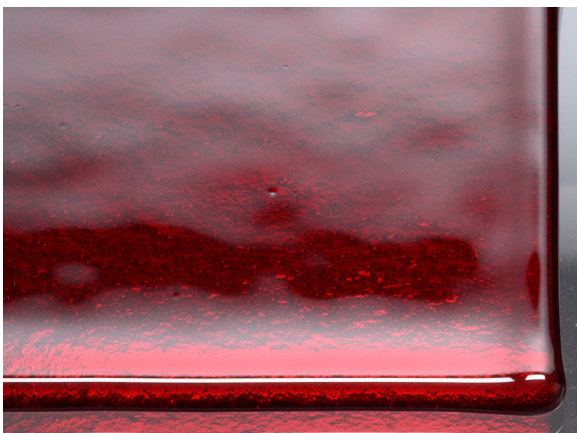
Standard Strike 1425 °F / 774 °C - 0:10

Color: Often within target color range. May be slightly underdeveloped compared to a full fuse strike.

Dimensional Changes: Footprint reduced, edges round and pull in a little, becoming thicker than the central area of the sheet.

Separator: ThinFire alone is effective in many instances. Larger sheets, hotter kilns and shelves that are not flat are more likely to develop a 2"-3" bubble underneath the glass while firing. To prevent this kind of bubble, fire on fiber paper topped with ThinFire.

This firing option offers reliable color development along with moderate dimensional changes. Effective to strike, then cut pieces for stained glass and mosaic projects. Used often when striking sheet glass at Bullseye.



Full Fuse Strike 1480 °F / 804 °C - 0:10

Color: Within target color range.

Dimensional Changes: Footprint reduced more than other schedules, edges round and pulled-in / thicker than the central area of the sheet.

Separator: Fiber paper topped with ThinFire. Sheets larger than 10" x 10", hotter kilns and shelves that are not flat are more prone to develop a 2"-3" bubble underneath the glass. Smaller sheets of glass may fire without issue using only ThinFire.

Strike, then cut pieces for stained glass and mosaic projects.

¹Fired hues accepted as top grade for each Bullseye glass style.

Resources

- [Gold Hold: Firing Transparent Pink, Purple, and Coral Colors](#), article
- [About Our Glass](#), online web pages
- [Using ThinFire](#), article

- [Using Bullseye Shelf Primer](#), article
- [Glass Cleaning Basics](#), article
- [KilnSpace](#), website

Materials

- [ThinFire](#)
- [Bullseye Shelf Primer](#)
- [1/16" Fiber Paper](#)