

Suggested Slumping Schedules in Celsius

The following slumping schedules have been collected over years of experience at Bullseye's Research & Education studios.

Note that the schedules are intended as a starting point. Many variables factor into developing an appropriate cycle. Every kiln fires differently, and different glass styles vary in viscosity.

Because no single slumping schedule will work for every project, we recommend that you visually confirm the slump during the firing. To do this, open the kiln door enough to take a quick look. Don't hold the door open for more than a few seconds.

Depending on the mold you're working with, you can begin to monitor the progress of the slump once the kiln is above 1100 °C and continue to do so as the firing approaches process temperature and/or during the process soak until the slump is complete.

Be sure to record your observations for future reference. Suggested Video Lessons (subscription required): [Slumping Basics](#) and [Working with Drop-Out Molds](#).

Using These Schedules

Schedules are based on observations from slumping 6 mm-thick pieces in Paragon GL24 kilns. For each mold, the first segment of the firing is provided below in blue. Plug it into the provided template.

SEGMENT	RATE (°C/HR)	TEMPERATURE	HOLD
1			
2	AFAP*	482 °C	1:00
3	56 °C	371 °C	0:00
4	AFAP*	21 °C	0:00

*As Fast As Possible. Allow the kiln to cool at its natural rate with the door closed.

When slumping works with variations in thickness—such as most tack-fused projects—or uniformly thick works (9 mm and thicker), it may be necessary to fire more slowly than the provided schedule to avoid thermal shock and ensure proper annealing. See [Writing Firing Schedules for Fusing & Slumping](#).

Round Plates & Bowls



Classic

8748: 5.9" × 1" (15 × 3 cm)
 ▶ 167 °C | 663 °C | 1:30
 8749: 6.1" × 0.6" (16 × 2 cm)
 ▶ 167 °C | 663 °C | 1:30
 8747: 8.5" × 0.9" (22 × 2 cm)
 ▶ 167 °C | 663 °C | 0:45
 8723: 12.1" × 3" (31 × 8 cm)
 ▶ 167 °C | 663 °C | 0:45
 8724: 15.7" × 3.3" (40 × 8 cm)
 ▶ 167 °C | 663 °C | 0:30



Cone Bowl

8974: 5.25" × 1.25" (133 × 32 mm)
 8943: 7.4" × 2.2" (19 × 6 cm)
 8975: 11.5" × 3.4" (29 × 9 cm)
 See Mold Tips: Cone Bowls



Flower

7982: 5.25" × .75" (13 × 2 cm)
 ▶ 167 °C | 663 °C | 1:00
 7983: 8.25" × 1.25" (21 × 3 cm)
 ▶ 167 °C | 663 °C | 0:45
 7984: 11.75" × 1.0625" (30 × 3 cm)
 ▶ 167 °C | 663 °C | 0:30



Plain Plate

8721: 14.6" × 1.2" (37 × 3 cm)
 ▶ 167 °C | 649 °C | 0:05
 8722: 17.5" × 2.1" (45 × 5 cm)
 ▶ 167 °C | 638 °C | 0:05



Pasta Bowl

8909: 11.3" × 1.7" × 2" (29 × 4 × 5 cm)
 ▶ 167 °C | 668 °C | 1:00
 8910: 13.1" × 1.9" × 2.4" (33 × 5 × 6 cm)
 ▶ 167 °C | 663 °C | 0:45



Simple Rimless Dish

8772: 9" × 1.5" (23 × 3.8 cm)
 ▶ 167 °C | 654 °C | 0:20
 7493: 12.2" × 2" (31 × 5 cm)
 ▶ 167 °C | 649 °C | 0:10



Round Plate

8928: 12.8" × 0.7" (33 × 2 cm)
 ▶ 167 °C | 663 °C | 1:30



Soup Bowl

8665: 9.4" × 1.6" (24 × 4 cm)
 ▶ 167 °C | 663 °C | 1:15



Seder Plate

8959: 12.3" × 1.4" (31 × 4 cm)
 ▶ 167 °C | 677 °C | 1:15



Swirl

8788: 11.9" × 2.1" (30 × 5 cm)
 ▶ 167 °C | 663 °C | 0:45

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Round Plates & Bowls



Bowl

8651: 15.6" × 2.4" (40 × 6 cm)
 ▶ 167 °C | 663 °C | 0:20
 8652: 16.1" × 3.4" (41 × 9 cm)
 ▶ 167 °C | 657 °C | 0:15



Big Bowl

8973: 12.5" × 3.7" (32 × 9 cm)
 See Mold Tips: Big Bowl



Large Round Slumper

8628: 14.8" × 2.6" (38 × 7 cm)
 ▶ 167 °C | 663 °C | 0:20



Round Slumper

8630: 7.5" × 1" (19 × 3 cm)
 ▶ 167 °C | 649 °C | 0:05
 8629: 11.8" × 1.6" (30 × 4 cm)
 ▶ 167 °C | 643 °C | 0:05



Round Tray

8781: 5.4" × 1" (14 × 2.5 cm)
 ▶ 167 °C | 663 °C | 1:00
 8782: 9" × 1" (23 × 2.5 cm)
 ▶ 167 °C | 663 °C | 1:00
 8783: 11.2" × 1" (29 × 2.5 cm)
 ▶ 167 °C | 663 °C | 0:45
 8760: 13.2" × 1" (33.5 × 2.5 cm)
 ▶ 167 °C | 663 °C | 0:45

Ball Surface / Deep Form



Ball Surface

8746: 5.8" × 1.7" (15 × 4 cm)
 ▶ 111 °C | 660 °C | 0:20
 8736: 7.8" × 1.2" (20 × 3 cm)
 ▶ 167 °C | 657 °C | 0:05
 8735: 9.4" × 2" (24 × 5 cm)
 ▶ 167 °C | 649 °C | 0:15
 8734: 11.4" × 3" (29 × 8 cm)
 ▶ 167 °C | 638 °C | 0:15
 8733: 14.8" × 2.1" (38 × 5 cm)
 ▶ 167 °C | 638 °C | 0:10
 8738: 16.5" × 3.3" (42 × 9 cm)
 ▶ 139 °C | 638 °C | 0:05
 8737: 19.3" × 3.6" (49 × 9 cm)
 ▶ 111 °C | 632 °C | 0:20



Deep Form Step Two

8990: 15" × 7.3" (38 × 19 cm)
 See Mold Tips: Deep Form



Deep Form Step Three

8991: 12.6" × 8.2" (32 × 21 cm)
 See Mold Tips: Deep Form

Ovals



Short Oval

8919: 11" × 4.4" × 1.2" (28 × 11 × 3 cm)
 ▶ 167 °C | 663 °C | 0:10
 8952: 14.8" × 6.3" × 1.7" (38 × 16 × 4 cm)
 ▶ 167 °C | 657 °C | 0:20



Long Oval

8920: 10.9" × 4.5" × 0.6" (28 × 11 × 2 cm)
 ▶ 167 °C | 657 °C | 0:20
 8951: 18.1" × 6.7" × 1.3" (46 × 17 × 3 cm)
 ▶ 167 °C | 663 °C | 0:10



Drop Out Ring

8633: 7.1" × 0.4" (18 × 1 cm);
 Inside 3" (8 cm)
 ▶ 167 °C | 677 °C | 1:30*
 8632: 8.9" × 0.4" (23 × 1 cm);
 Inside 4.9" (13 cm)
 ▶ 167 °C | 677 °C | 1:30*
 8631: 10.8" × 0.5" (28 × 1 cm);
 Inside 6.7" (17 cm)
 ▶ 167 °C | 677 °C | 1:30*
 8756: 13.3" × 0.5" (34 × 1 cm);
 Inside 7.5" (19 cm)
 ▶ 167 °C | 677 °C | 1:30*



Ellipse Drop Out

8955: 17.7" × 10.8" × 0.9" (45 × 28 × 2 cm);
 Inside 13.6" × 6.9" (35 × 18 cm)
 ▶ 167 °C | 677 °C | 1:30*



Square Drop Out

8957: 9.5" × 9.5" × 0.7" (24 × 24 × 2 cm);
 Inside 5.4" × 5.4" (14 × 14 cm)
 ▶ 167 °C | 677 °C | 1:30*



Oval Dish

8536: 8.1" × 5.2" × 1.3" (21 × 13 × 3 cm)
 ▶ 167 °C | 660 °C | 0:20
 8455: 11.3" × 7.4" × 1.5" (29 × 19 × 4 cm)
 ▶ 167 °C | 663 °C | 0:20



Oval

8744: 15.4" × 9.8" × 1.7" (39 × 25 × 4 cm)
 ▶ 167 °C | 663 °C | 0:40



Rectangular Drop Out

8923: 15.4" × 8.7" × 0.9" (39 × 22 × 2 cm);
 Inside 10.2" × 3.7" (26 × 9 cm)
 ▶ 167 °C | 677 °C | 2:00*

*This schedule is for making a shallow plate. The mold is placed directly on the kiln shelf—not elevated.

Note: The measurements given here are for the outer dimensions of the molds. This is to help you determine whether a given mold will fit in your kiln. Since they are handmade, individual molds will vary in size. Never cut glass to fit until you have measured your mold.

Square Plates & Bowls



Mini Soft Edged Plate

8963: 6.1" × 6.1" × 0.8"

(16 × 16 × 2 cm)

▶ 167 °C | 677 °C | 2:00



Small Dish

8926: 8.5" × 8.5" × 1.3"

(22 × 22 × 3 cm)

▶ 167 °C | 663 °C | 2:15



Soft Edge Platter

8985: 9.1" × 9.1" × 0.9"

(23 × 23 × 2 cm)

▶ 167 °C | 663 °C | 1:20



Retro Party Bowl

8936: 16.9" × 16.9" × 3.9"

(57 × 18 × 6 cm)

▶ 167 °C | 663 °C | 0:35



One-Square Dish

8934: 3.5" × 3.5" × 0.9"

(9 × 9 × 2 cm)

▶ 167 °C | 677 °C | 1:15



Square Bowl, Simple Curve

8647: 12" × 12" × 2.5"

(31 × 31 × 6 cm)

▶ 167 °C | 663 °C | 1:00



Square Bowl, Double Curve

8648: 11.8" × 11.8" × 2.1"

(30 × 30 × 5 cm)

▶ 167 °C | 663 °C | 1:00



Four-Square Dish

8935: 6.7" × 6.7" × 0.9"

(17 × 17 × 2 cm)

▶ 167 °C | 671 °C | 1:00



Circle in Square

8453: 5.9" × 5.9" × 1.6"

(15 × 15 × 4 cm)

▶ 167 °C | 677 °C | 1:30



Yin-Yang Plate

8341: 11.4" × 11.4" × 0.9"

(29 × 29 × 2 cm)

▶ 139 °C | 685 °C | 1:30



Square Slumper A

8636: 4.5" × 4.5" × 0.8"

(12 × 12 × 2 cm)

▶ 167 °C | 638 °C | 0:05

8635: 8.5" × 8.5" × 1.5"

(22 × 22 × 4 cm)

▶ 167 °C | 638 °C | 0:05

8634: 10.1" × 10.1" × 1.9"

(26 × 26 × 5 cm)

▶ 167 °C | 638 °C | 0:05

8637: 12" × 12" × 2.2"

(30 × 30 × 6 cm)

▶ 167 °C | 638 °C | 0:05

8739: 15.9" × 15.9" × 2.8"

(40 × 40 × 7 cm)

▶ 167 °C | 627 °C | 0:05



Square Slumper B

8998: 3.4" × 3.4" × 0.9"

(9 × 9 × 2 cm)

▶ 167 °C | 649 °C | 0:10

8997: 5.2" × 5.2" × 1.3"

(13 × 13 × 3 cm)

▶ 167 °C | 649 °C | 0:10

8996: 6.1" × 6.1" × 1.1"

(16 × 16 × 3 cm)

▶ 167 °C | 649 °C | 0:10

8995: 6.8" × 6.8" × 1.6"

(17 × 17 × 4 cm)

▶ 167 °C | 649 °C | 0:10



Square Plate

8901: 3.3" × 3.3" × 0.8"

(8 × 8 × 2 cm)

▶ 167 °C | 677 °C | 1:30

8900: 5.3" × 5.3" × 1"

(13 × 13 × 3 cm)

▶ 167 °C | 671 °C | 1:30

8899: 6.3" × 6.3" × 0.9"

(16 × 16 × 2 cm)

▶ 167 °C | 663 °C | 1:30



Square Platter

8638: 9.6" × 9.6" × 0.8"

(25 × 25 × 2 cm)

▶ 167 °C | 677 °C | 1:30

8641: 11.9" × 11.9" × 0.8"

(30 × 30 × 2 cm)

▶ 167 °C | 671 °C | 1:15



Square Nesting Plate

8757: 5.5" × 5.5" × 0.9"

(14 × 14 × 2 cm)

▶ 167 °C | 663 °C | 0:30

8758: 7" × 7" × 0.8"

(18 × 18 × 2 cm)

▶ 167 °C | 663 °C | 0:20

8759: 8.6" × 8.6" × 1"

(22 × 22 × 3 cm)

▶ 167 °C | 663 °C | 0:20

Lamp Benders & Candle Bridges



Flat Slumper

8972: 10.6" × 10.6" × 1.1"

(27 × 27 × 3 cm)

▶ 167 °C | 632 °C | 0:05



Origami

7968: 6.375" × 6.375" × 1.3125"

(16 × 16 × 3 cm)

▶ 167 °C | 663 °C | 0:45

7969: 8.0625" × 8.0625" × 1.625"

(20 × 20 × 4 cm)

▶ 167 °C | 663 °C | 0:30



One Candle Bridge

8903: 7.2" × 5.1" × 2"

(18 × 13 × 5 cm)

▶ 167 °C | 677 °C | 1:30



Lamp Bender Conic

8740: 12.2" × 10.4" × 3.8"

(31 × 27 × 10 cm)

▶ 111 °C | 649 °C | 0:15



Lamp Bender

8964: 6" × 4.9" × 2.1"

(15 × 12 × 5 cm)

▶ 111 °C | 649 °C | 0:20

8725: 10.1" × 8.5" × 3.7"

(26 × 22 × 10 cm)

▶ 167 °C | 649 °C | 0:20



Four Candle Bridge

8902: 12.4" × 5.7" × 1.6"

(32 × 15 × 4 cm)

▶ 139 °C | 671 °C | 1:45

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Platters, Trays & Casting Molds



Small Rectangle

8945: 9.5" × 5.4" × 1.5"
(24 × 14 × 4 cm)
▶ 167 °C | 677 °C | 1:15



Medium Rectangle

8949: 11.4" × 9.1" × 1.3"
(29 × 23 × 3 cm)
▶ 167 °C | 663 °C | 0:45



Party Platter

8539: 19.8" × 12.8" × 1.8"
(50 × 33 × 5 cm)
▶ 167 °C | 663 °C | 1:45



Serving Tray

8947: 14.8" × 9" × 0.9"
(38 × 23 × 2 cm)
▶ 139 °C | 663 °C | 1:20



Oval in Rectangle

8454: 9.1" × 6.1" × 1.5"
(23 × 16 × 4 cm)
▶ 167 °C | 677 °C | 1:30



Soft Edge Platter Long

8962: 14" × 9.4" × 0.9"
(36 × 24 × 2 cm)
▶ 167 °C | 663 °C | 1:00



Soap Dish

8981: 6" × 4" × 0.8"
(15 × 10 × 2 cm)
▶ 167 °C | 657 °C | 1:00



Simple Curve

8642: 15.6" × 13.1" × 2.8"
(40 × 33 × 7 cm)
▶ 167 °C | 632 °C | 0:05



Very Gentle Curve

8982: 18" × 18" × 2.3"
(46 × 46 × 6 cm)
▶ 167 °C | 627 °C | 0:05



Snack Tray

8961: 9.8" × 6.7" × 1.2"
(25 × 17 × 3 cm)
▶ 167 °C | 677 °C | 1:30



Pyramid Mold

8948: 6.7" × 6.7" × 4.7"
(17 × 17 × 12 cm)
See Mold Tips: Pyramid Mold



Heart Mold

8976: 3.9" × 3.5" (10 × 9 cm)
See Mold Tips: Heart Mold



Double Curve

8960: 9.4" × 8.7" × 1.7"
(24 × 22 × 4 cm)
▶ 167 °C | 660 °C | 0:10
8643: 15.9" × 13.6" × 2.9"
(40 × 35 × 7 cm)
▶ 167 °C | 657 °C | 0:10



Channel Plate

8456: 12.6" × 4.1" × 1.4"
(32 × 10 × 4 cm)
▶ 111 °C | 649 °C | 0:25
8944: 17.1" × 4.8" × 1.6"
(44 × 12 × 4 cm)
▶ 111 °C | 649 °C | 0:15
8257: 22.6" × 6.9" × 2.4"
(57 × 18 × 6 cm)
▶ 111 °C | 649 °C | 0:10



Rectangular Slumper

8924: 12.2" × 7.4" × 1.7"
(31 × 19 × 4 cm)
▶ 167 °C | 649 °C | 0:05
8925: 14.8" × 7.4" × 1.7"
(38 × 19 × 4 cm)
▶ 167 °C | 649 °C | 0:05
8929: 16.5" × 11.9" × 2"
(42 × 30 × 5 cm)
▶ 167 °C | 632 °C | 0:05

Discontinued Styles



Saturn Dessert Plate

8939: 11.3" × 0.7" × 5"
(29 × 2 × 13 cm)
▶ 167 °C | 663 °C | 1:30



Ball Surface

8745: 21.7" × 4.2" (55 × 11 cm)
▶ 111 °C | 632 °C | 0:05



Square Slumper A

8938: 20.9" × 20.9" × 3.7"
(53 × 53 × 9 cm)
▶ 83 °C | 627 °C | 0:05



Square Platter

8646: 14.8" × 14.8" × 0.8"
(38 × 38 × 2 cm)
▶ 139 °C | 663 °C | 1:30



Soft Edge Four Square Platter

8342: 14" × 14" × 1.2"
(36 × 36 × 3 cm)
▶ 167 °C | 663 °C | 2:20



Concave Dish

8933: 13.9" × 9.5" × 1.7"
(35 × 24 × 4 cm)
▶ 167 °C | 663 °C | 0:45



Convex Dish

8932: 13.5" × 9.7" × 1.4"
(34 × 25 × 4 cm)
▶ 167 °C | 663 °C | 0:45

WARNING: ZYP (Boron Nitride) is not suitable for slumping molds. For more info, see [ZYP Tips for Ceramic Casting Molds](#).

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