LF117 Grapes and Vines

The following materials were used to create the Grapes and Vines photographed:

CPI Mold LF117

Glass Weight for the Grapes: 1.75 oz
Glass Weight for the Vines: 3/4 oz
(weigh the grapes and their frit and then the twigs and their frit separately to ensure each has correct amount)


Image 1


Image 2


Image 3


Image 4


Image 5

Glass used for the Purple grapes:
F1 Cobalt Blue
F2 Red Opal
F2 Medium Blue
F3 Cobalt Translucent

Glass used for the Green grapes:
F1 Medium Amber
F2 Medium Opal
F2 Pastel Green
F3 Citron

Vines
F1 Deep Aqua
F2 Medium Amber
F3 Terracotta

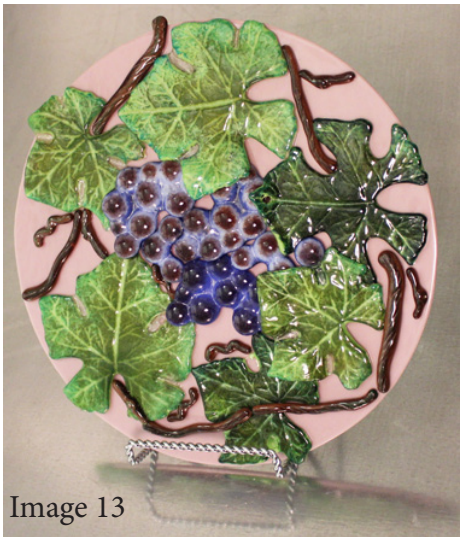
Image 13

General Instructions:

This tutorial can be used as a guide to make LF117, Grapes and Vines. You can also choose to use any combination of frit colors.

Begin by treating the mold with the Boron Nitride spray in a ventilated area. Several light coats with a short waiting period between coats is preferable to one heavy coat. Shake the can well before use and hold the can upright while using to assure proper distribution of product. It is important to make sure to turn the mold at various angles to make sure to coat the mold wall.

Before adding frit to the mold, place the mold on a scale and weigh it. The weight of the frit required for the grapes is 1.75oz. The weight of frit the twigs is [illegible] oz. Therefore weigh each separately.

To add frit to the grapes:
Use a powder sifter to sift F1 Cobalt Blue frit into low areas of the center of the grapes (Image 1). Then sprinkle a little F2 Red Opal on top of the F1 Cobalt Blue (Image 2). Add F2 Medium Blue (Image 3) to cover the bottom of the grape cavities to fill the voids between the grapes. Fill the grape cavities with F3 Cobalt Translucent until the mold holds 1.75oz (Image 4) of frit.

To add frit to the vines:
Use a powder sifter to sift F1 Medium Amber frit into low areas of the center of the grapes (Image 5). Then sprinkle a little F2 Almond Opal to cover the F1 Medium Amber (Image 6). Add F2 Pastel Green until the bottoms of the grape cavities are filled (Image 7). Lastly place the mold onto a scale and cover the grapes with F3 Citron until the mold holds 1.75oz of frit (Image 8).


Image 6


Image 7


Image 8

Image 9

Image 10

Image 11

Image 12

To Make the Vines:
Lightly sprinkle F1 Deep Aqua into the creases of the vines (Images 9 & 10). Add F2 Medium Amber (Image 11) followed by F3 Terracotta (Image 12) until the mold holds 3/4oz/21g of frit in the vine cavities. Place the project in a kiln and fire using the firing schedule given in Table 1 or your own favorite Full Fuse schedule. Before firing, make sure you know your kiln! Refer to the notes to the left of the schedule for tips.

After the glass is fused in the mold, gently invert the mold onto a soft surface to release the grapes and vines. In some cases, Boron Nitride spray residue can remain areas of the glass. To remove it, scrub the glass with a stiff brush under running water.

To add the fused grapes, leaves and vines to other fused glass projects, such as the one shown in Image 13, arrange the pieces as desired on a pre-fused glass blank. Place the project in a kiln and tack fire the pieces to the fused blank using the firing schedule given in Table 1, using the 1400 degree working temperature given for "tack" in Segment 4, or using your own favorite Tack Fire schedule.

The project can then be slumped into a slump mold if desired using the same firing schedule by skipping Segments 3 and 4 and going straight to the annealing stages found in Segments 5 and 6, or by using your own preferred Slump Schedule.

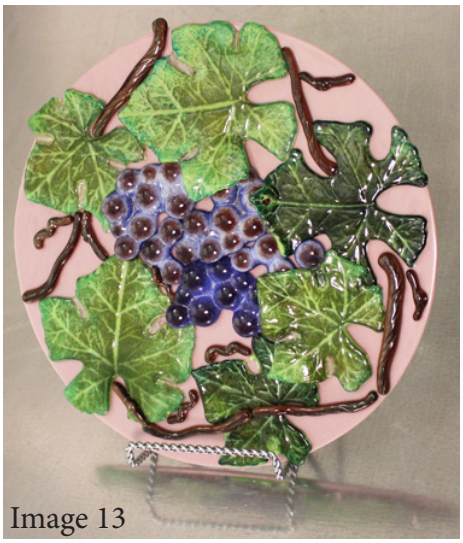

Image 13

Finished Grapes and Vines

Before using any firing schedule, make sure you know your kiln! For our suggestions on how to do that, please click here.

Also, please remember our firing schedules are just suggestions! If you have a known schedule that works for you, use that instead.

Table 1 - Fuse Firing Schedule for LF117

Segment	Rate	Temp (°F)	Hold
1	275	1000	10
2	275	1225	30
3	275	1300	10
4	275	1470 (Full Fuse) 1400 (Tack)	05
5	9999	950*	90
6	100	800	01

* If using COE90 glass instead, change this temperature to 900°F