



Using the bee stake frit casting mould

Make yourself some beautiful bee stakes using the frit casting mould, perfect for indoor or outdoor pots.

The following instructions enable you to make two beautiful bee stakes using the Bee Stakes Casting Mould (CPLF209).



Ensure your mould is well primed before use

By using a primer this will prevent the glass sticking to the mould and potentially damaging the mould and the glass, make sure you use a small brush for detailed areas and dry thoroughly.

Creative Paradise highly recommend using ZYP a Boron Nitride spray due to the high temperatures required, this easy to apply spray can fire up to 982°C. Several light coats with a short waiting period of around 15 minutes 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. You will need to apply one light coat each time you fire.

The process



1 Create the black stripes

Place black powder grain frit (F1) into the bee body as shown. Press down the frit with a finger.

2 Create the yellow stripes

Place butterscotch opal powder grain frit (F1) into the stripes in the bee body. Place canary yellow opal powder grain frit (F1) on top of the butterscotch frit.

3 Create the veins in the wings

Sift light sky blue powder grain frit (F1) in the wings of the bees. Press the frit into the veins of the wings.

4 Fill the rest of the bee

With your finger push the black and yellow frit up against the walls of the mould. Place canary yellow fine grain frit (F2) into the body of the bees. Place black fine grain frit (F2) into the legs of the bees.

5 Fill the stakes

In the stakes and base of wings sprinkle light blue sky medium grain frit (F3) as shown above. Fill the mould with clear medium grain frit (F3) until the mould holds approx. 162 grams of frit. Fire to a full fuse as found on the table overleaf.

Bee stake mould firing schedule - full fuse

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1.	166°C/hr	to 621°C	0:45
2.	83°C/hr	to 743°C	0:20
3.	222°C/hr	to 796°C**	0:10
4.	AFAP* OR 9999°C/hr	to 510°C	1:00
5.	55°C/hr	to 426°C	0:05

*AFAP = as fast as possible, some controllers will not allow a rate of 9999°C /hr

** Will vary depending on desired result and kiln

Note:

This data is a guide only, firing programs may need to be adjusted according to size and thickness of glass and the kiln's performance. Ensure that data is entered into the controller accurately, otherwise glass may not fuse correctly or paint will not fire onto the glass as desired. Creative Glass Guild sells all glass, tools and materials on the basis that customers have the knowledge and ability to use them safely and in accordance with all relevant regulations and legislation.