



Creative Paradise Inc.



Make your own sunflower bird feeder

Make a beautifully bright sunflower bird feeder for your garden using the sunflower casting mould.

The following instructions enable you to make a sunflower bird feeder using the 8" Sunflower Casting Mould (CPLF198) and Round Slump Mould (CPGM04).

You will need to following to create this project:

- Creative Paradise, Inc. mould CPLF198 & CPGM04
- Powder sifter
- Pipette
- ZYP
- COE96 Frits in powder, fine and medium
- Fibre paper
- Tweezers

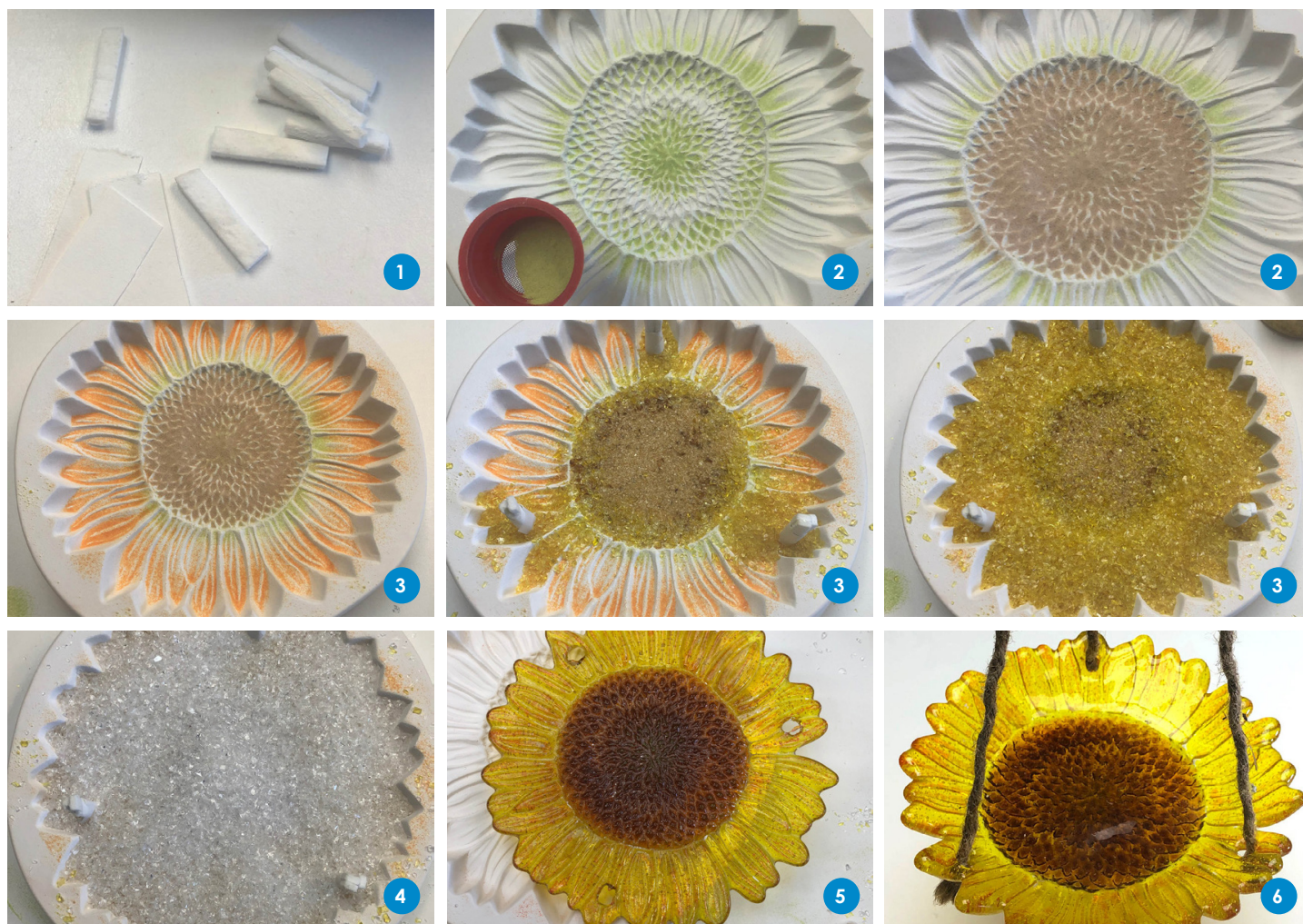


Ensure your mould is well primed before use

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 Cut fibre paper strips to create paper plugs

Cut 1/8" thick fiber paper into nine 1/8" wide x 3/4" long strips. Cut Papyrus kiln shelf paper into three 1/2" wide x 3/4" long strips. Bundle the fiber paper strips in sets of 3 and wrap a strip of the kiln shelf paper around each bundle and secure the kiln shelf paper in place with a small piece of tape. You should have 3 "fiber paper plugs" to be used in the mould to create 3 holes in the casting.

2 Create the centre of the flower

Use a powder sifter to sift powdered Moss Green Trans frit into the base of the petals and into the center and edge of the seed area in of the mould.

Use a powder sifter to sift powdered Chestnut Opal frit into the seed area of the mould.

3 Create the petals

Use a powder sifter to sift powdered Rust Trans frit into the outer edge of the petals of the mould.

Cover the seed area of the mold with fine and or medium Medium Amber Trans frit. Place enough of the Medium Amber frit in this area to cover any of the raised parts of the mould in the seed area. Place the fiber paper plugs in the mold such that they are at an equal distance from each other and 1/3" away from the mould wall in the petal area of the mould. Use a scoop of medium Yellow Trans frit around each plug to hold the plugs in place.

Cover the petal area of the mould with a layer of medium grain Yellow Trans frit, such that all of raised area of the mould is now covered with frit. Spread some of the Yellow Trans frit into the seed area as well.

4 Finish with clear frit

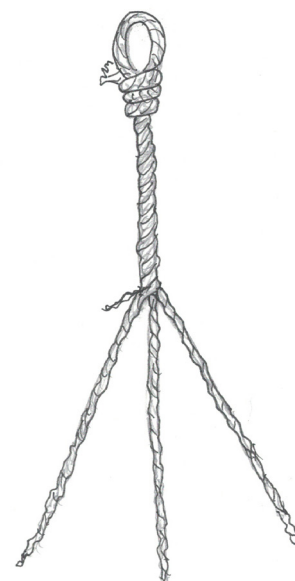
Fill the mould with medium grain and or coarse Clear frit such that the mould is holding 345 grams of glass. Fire the project using your favorite full fuse schedule. A suggested schedule can be found in the full fuse table below.

5 Clean and then slump the mould

After the kiln has cooled, remove the glass from the mould. Discharge the fiber paper plugs from the glass and wash the glass to remove in residual glass separator. You may need to use a tooth brush or other stiff bristled brush to clear any kiln wash from the creases of the glass. Place the glass with the textured side down on a GM04 Round Slump mould. Fire the project using your favorite slump schedule. A suggested schedule can be found in the slump table below.

6 Clean and then slump the mould

After the kiln has cooled, use cording, Jute or chain to hang the Sunflower. In the sample shown we used a 4 foot long piece of 3 ply 7 mm Natural Jute. The bottom 18" of the strand was unwound to provide three 2 mm strands of Jute. Each 2mm strand was placed into a respective hole in the glass and a knot was tied at the end of the strand. The top 30" of the 3 ply Jute was left wound intact and can be used to tie the bird feeder to hang.



Sunflower mould firing schedule - full fuse

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1.	166°C/hr	to 621°C	0:45
2.	27°C/hr	to 721°C	0:20
3.	194°C/hr	to 796°C**	0:10
4.	AFAP* OR 9999°C/hr	to 510°C	1:30

Sunflower mould firing schedule - slump

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1.	152°C/hr	to 676°C	0:15
2.	AFAP* OR 9999°C/hr	to 510°C	1:00

*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.