

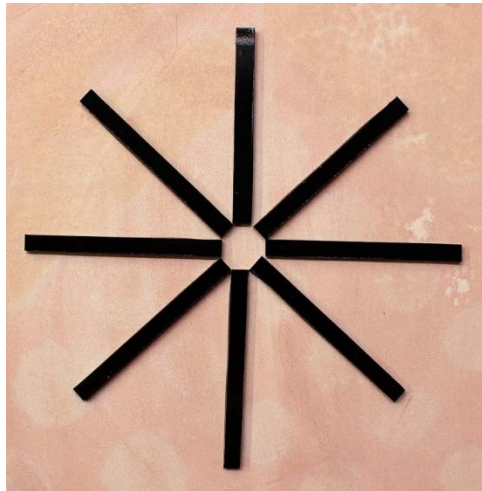


Spider

Here's a fun way to make 3D spiders.

Cutting

Cut 8 pieces 1/4 inch wide x 3 inch long and set out in an 8 point assembly.



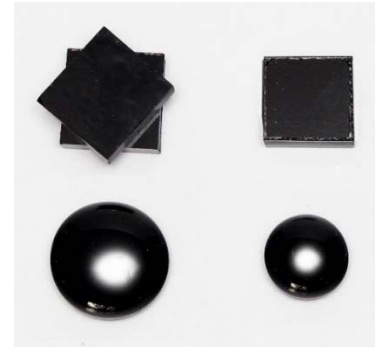
Spider legs assembled

Make a 5/8 inch round by stacking three 1/2 inch squares and firing to full fuse.

Make a 1 1/8 inch round by stacking 3 - 3/4 inch squares and firing to full fuse.

Size Predictions for Making Pebbles

- | | |
|--------------------------|--------------------|
| 1 layer 1/2 inch square | 3/8 inch round |
| 2 layer 1/2 inch squares | 1/2 inch round |
| 3 layer 1/2 inch squares | 5/8 inch round |
| 4 layer 1/2 inch squares | 3/4 inch round |
| 1 layer 3/4 inch square | 1/2 inch not round |
| 2 layer 3/4 inch squares | 3/4 inch not round |
| 3 layer 3/4 inch squares | 1 1/8" round |

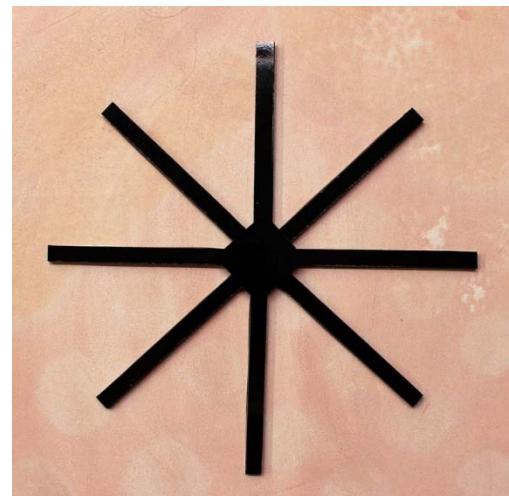


Making glass pebbles



Assembly

Place a 1 inch x 1 inch square on the leg assembly.



Spider legs with connector ready to fire



Spider

Fire the leg assembly to full fuse. For some extra decoration, you might add glass frit or mica to fuse into the glass.



Spider leg assembly after fusing

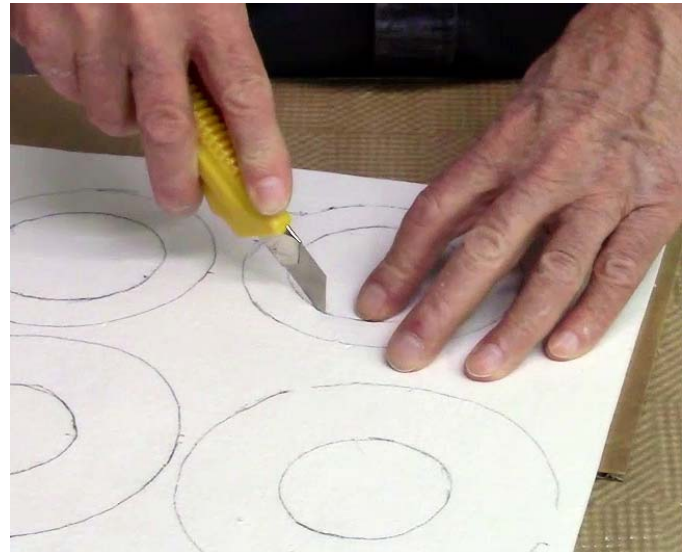
Place the two rounds you made on as the head and body to be tack fused onto the leg assembly.



Head & body on leg assembly ready to tack fuse

Fire the head, body, and leg assembly to tack fuse. At this stage you might add glass frit to tack fuse on to create a textured spider like a tarantula.

Cut out two 4.5 inch and two 5 inch rounds of 1/8 inch thick ceramic fiber paper as per the Mold Pattern drawing. You want to have two rings each 1/4 inch thick.



Cutting out ceramic fiber paper to make slump mold



Mold rings complete



Spider

Assemble the mold rings and place the fused spider assembly on it. Take care to have the center point of the legs at the center of the mold.



Spider assembly on mold rings ready to slump

Fire to Drape/Slump



Finished draped/slumped spider

Firing Schedules

SEGMENT	RAMP	TEMP	HOLD (min)
---------	------	------	------------

Making Pebbles

1	900F (500C)	1460F (790C)	30
2	FULL	960F (515C)	30

Full Fuse leg assembly

1	400F (200C)	1000F (515C)	20
2	900F (500C)	1460F (790C)	20
3	FULL	960F (515C)	30
4	400F (200C)	300F (150C)	0

Tack Fuse – head & body to legs

1	400F (260C)	1000F (515C)	20
2	900F (500C)	1350F (730C)	15
3	FULL	960F (515C)	30
4	400F (200C)	300F (150C)	0

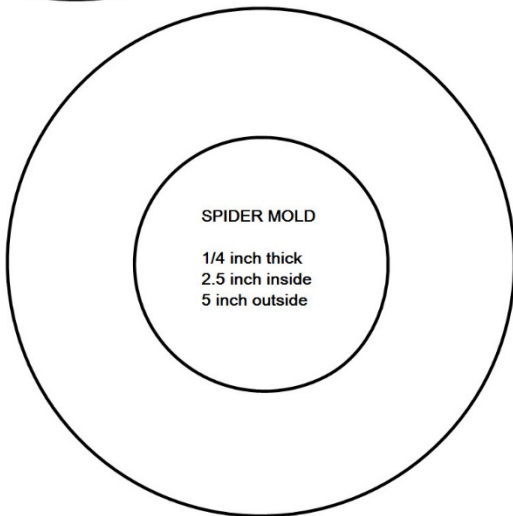
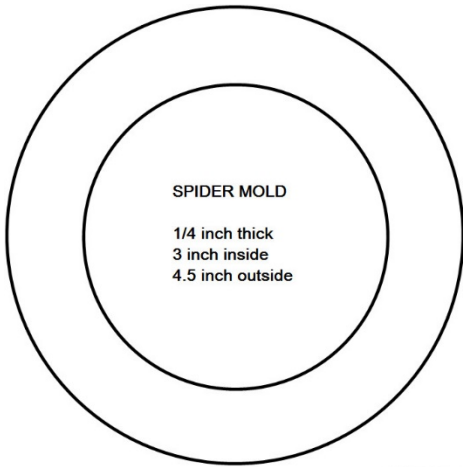
Drape/Slump

1	400F (260C)	1000F (515C)	20
2	900F (500C)	1285F (695C)	15
3	FULL	960F (515C)	30
4	400F (200C)	300F (150C)	0



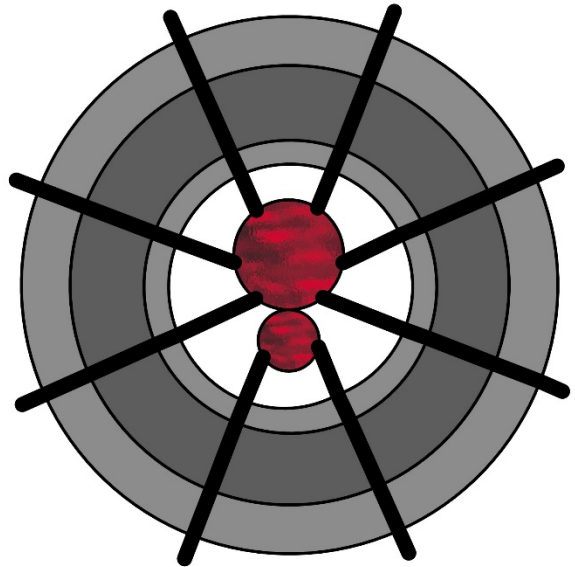
Spider

Mold Pattern



Spider Assembly Diagram

SPIDER ASSEMBLY
Top View



SPIDER ASSEMBLY
Side View

