

Makes 12 Mosaic Garden Stakes

Garden Stakes Kit Contains

12- 4 1/4" Molds
 4 lb White Cement
 18 oz Tumbled Glass
 12 Stamp Sets
 12 Garden Stakes
 36 in² Adhesive Sheet
 12- Mess-free mixing bags
 Instructions and Patterns

Materials Needed for Project:

Petroleum Jelly / Cooking Spray
 Paper Towels
 Water
 Newspaper
 Measuring Cup



Figure 1



Figure 2



Figure 3

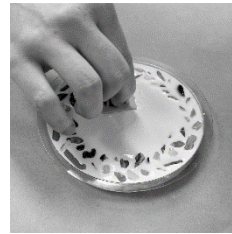


Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



Figure 9

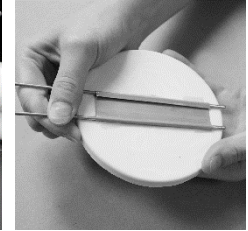


Figure 10

Installation and Maintenance Guidelines:

- Instructor – save time by placing approximately 4 ounces of cement into each “No-Mess” Mixing Bag. Students will then add water to the bag and squeeze the sealed bag to mix. Clean up is a cinch, simply throw the bag away. Cut adhesive sheet into 6 – 1"x3" pieces.
- Apply a light coat of petroleum jelly or a cooking spray to the inner side and bottom to help release the stone.
- If your water has a heavy mineral or salt content, use distilled or bottled water to mix the cement.

Be Safe!

- Wash hands thoroughly after handling cement.
- Adult Supervision is required.
- Glass may be sharp – please use caution while handling.

Step 1 – Get Ready

1. Cover work surface with newspaper or a drop cloth.
2. Use a paper towel and apply a thin coat of petroleum jelly or cooking spray along the inner edges and sides of the mold.
3. Choose a pattern from those provided or create your own.
4. Arrange the glass pieces on the pattern like a jigsaw puzzle. Leave a 1/8" space between the glass pieces for the cement. If using stamps, make sure to leave enough room for words.

Step 2 – Create the Mosaic Garden Stake

1. Slowly add 1 ounce of water directly inside the “mess-free” mixing pouch containing the cement. Press the

seam all the way across the pouch leaving a small gap at the end. Press the body of the pouch to force out any trapped air, finish pressing the seam to seal. Squeeze the pouch to mix the cement (Fig. 1). If cement appears dry, add more water, 1/8 teaspoon at a time, until the mixture becomes smooth and pourable like cake batter.

2. Squeeze the cement slowly and evenly into the mold (Fig. 2). Shake and tap the mold to assist in settling of the cement and removing air bubbles. Throw the empty cement pouch in trash.
3. Remove glass from the pattern and place it into the cement, don't forget to put a bit of space between each piece of glass and save plenty of room for stamping. Lightly push the glass into the cement until they are even with the surface (Fig. 3).
4. Wait 30 minutes for cement to set before stamping your message (Fig. 4). Test a small area, if it fills with water it is not ready. Tap the mold to settle the cement and try again in 10 minutes. Once stamped, allow the cement to dry a minimum of 5 hours before removing from mold.
5. Turn the mold over onto a flat surface and lift up on the sides to release the mosaic project (Fig. 5). Clean off any excess cement covering the glass using a paper towel, scrubby or the side of a coin. Stubborn cement can be removed by using a fine grit sanding paper, but be careful not to scratch the glass.
6. Allow casts to cure for 24 hours before moving onto the next step.

Step 3 – Finishing the Garden Stakes

1. Preheat a standard or toaster oven to 250°F.
2. Use a paper towel and clean any oil residue from the back to the mosaic project.
3. Use a pencil to make a mark the center top on the back of the mosaic project (Fig. 6). Place it on a baking sheet, face down.
4. Place the 1"x3" adhesive strip vertically in the center of the cast below the pencil mark (Fig. 7). Slide the plate from the garden stake assembly and place it over the adhesive strip (Fig. 8).
5. Bake for 10 minutes or until the adhesive melts, adhering plate to back of mosaic (Fig. 9).
6. Once completely cooled, insert metal prongs (prong side down) into the metal plate (Fig. 10).
7. Place your new garden stakes into your garden or a flower pot for a bit of color and whimsy.

This mold is reusable, rinse and save!

CHOKING HAZARD: Small parts. Not for children under 3 years.

WARNING: This kit contains glass. Broken glass may have sharp edges. Handle with care.

CAUTION: This product contains crystalline silica sand which is known in the State of California to cause health issues. **Safety precautions:** Dust can cause irritation to the eyes, nose, skin or respiratory system. If skin contact occurs, wash thoroughly with water. If irritation persists, consult a physician. If eye contact occurs, flush thoroughly with water to remove particles. Do not attempt to take a cast enclosing part of the body using this material. Do not take internally. If ingested, call a physician immediately.



