

Create your own designer magnetic clasps in metal clay using HattieS[®] Maglettes[™]! Simply press metal clay into the specially designed calibrated molds. There is a choice of 4 different magnet sizes for you to choose from. When the metal clay molds are dry, add your own unique designs or follow one of the downloadable projects sheets by Hattie Sanderson - www.pmcsupply.com/maglettes

Fire and polish the metal clay. The final step is to epoxy the magnets in place.

The magnets are very strong and the HattieS[®] Maglettes[™] have been designed so that one of the magnets protrudes from the finished design while the other magnet is recessed in a pocket. This special design gives the finished clasp unusual strength! When the 2 halves of the finished clasp are joined, not only are the attracted magnets holding the clasp together, the pocket of the Maglette[™] design creates a mechanical ledge that is difficult to overcome with the normal pulling on the clasp as you wear the piece. Rest assured that your finished jewelry clasp will stay locked in place during wear!

HattieS[®] Maglettes[™] have been designed to work beautifully with PMC3[®], PMC+[®], and Art Clay 650[®] products.

STEP BY STEP DIRECTIONS

PRESS METAL CLAY INTO MAGLETTE™ MOLDS

- Apply a non-stick product such as HattieS[®] NO STICK[™] to each of the Maglette[™] mold halves.
- Form metal clay into a seamless slab that is deeper and wider than the Maglette[™] mold. Place the slab over the center of the mold cavity and then push it down until it spreads out. Then push the clay down into the lip portion of the mold starting on one side and working your way around. This assures that no air is being trapped in the mold which would cause a seam.
- Use a clay roller over the top of the Maglette[™] mold to remove any excess metal clay. Repeat for the other half of the mold.

DRY THE METAL CLAY

- Allow the metal clay to air dry over night in the Maglette[™] mold. This allows proper drying of the deep magnet cavities to dry without the possibility of warping to assure proper fit of the finished clasp.
- When the metal clay is dry, gently sand the surface of the metal clay smooth while it is still in the mold. The metal clay parts are fairly small and this is the easiest way to get a smooth surface on the back side of the cavity.
- Flip the Maglette[™] mold over and tap the edge sharply on a table top that has been covered with a towel. The metal clay will pop out of the mold onto the towel.

ADD EMBELLISHMENTS AS DESIRED

- Refine the metal clay Maglettes[™] you have created as needed. Keep filing of the top lips of the metal clay to a minimum. The height and design of the lip areas are important to the proper fitting and mechanical strength of the final magnet clasp assembly.
- Add embellishments and clasp designs as desired. You may also follow one of our downloadable project sheets found at www.pmcsupply.com/maglettes

FIRE THE METAL CLAY CLASPS

- Place the two clasp halves separately on a kiln shelf. Fire the pieces to the highest temperature possible for your metal clay type. (1650 degrees F is recommended for maximum strength.)
- If you are using an open flame firing method, be sure to heat the metal clay clasps slowly until the organic binder has fully burned off. Carefully flip the metal clay over half way during firing to ensure even firing of the varied thicknesses of the Maglette™ cavities.

FINISH THE METAL CLAY

• Scratch brush, polish and patina the metal clay clasp as desired.

EXPOXY THE MAGNETS IN PLACE

- Clean the magnets and metal clay clasp cavities well with a cotton swab and rubbing alcohol to remove any surface dirt and oils.
- Put the magnets together. Make a mark on the outside of each of the magnets using a permanent marker. These marks will be your visual guide for gluing the proper side of the magnet into the metal clay clasp.
- Mix up 2 part epoxy (single use epoxy packs are available from www.pmcsupply.com and www.artclaysupply.com , or you can use any 2 part epoxy from your local home or hardware store.
- Place the two metal clay clasp halves approximately 6" apart from each other for the gluing process. This is to keep the magnets from jumping together as they are epoxied into place.
- Apply a drop of epoxy in one of the clasp cavities. Place one of the magnet halves marked side down into the center of the cavity. Do not use excess epoxy. It will ooze up around the magnet and interfere with the clasp attachment. (If this happens, let the epoxy dry and scrape it off using a needle tool. Attempting to remove the epoxy before it dries will move the magnet off center.
- Repeat the above step for the second half of the clasp. Again, be sure to epoxy the magnet with the marked side down into the cavity.
- Allow the epoxy to fully cure according to the package directions. Do not attempt to test fit the two clasp halves until the epoxy is fully cured.





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