



NEW METALS TECHNOLOGY I CREATIVE SILVER MODELLING



PROJECT ONE INTRODUCTION TO POWDER METALLURGY





now clay comes in *Pure Silver*

Art Clay Silver is a pure metal powder mixed with non-toxic binders and water.

When heated to 650-870°C with a kiln or torch for just minutes,

the binders burn away, leaving pure, 99.9% silver. It can be rolled, sculpted, stamped, sanded, filed, engraved, drilled and pre-polished, all prior to firing. Add gems, glass porcelain or other media. The versatility of this new-age silver clay is limited only by your imagination.

Clay-Type:

This type of Art Clay is most commonly used for rings, pendants, bracelets and other forms of jewellery. It can be modelled in the same way as water-based clay.



Paste-Type:

With a higher water content than the clay-type, this material is used to bind together clay pieces, paint designs onto clay or repair cracks in your design.



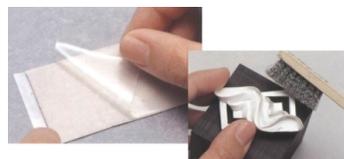
Syringe-Type:

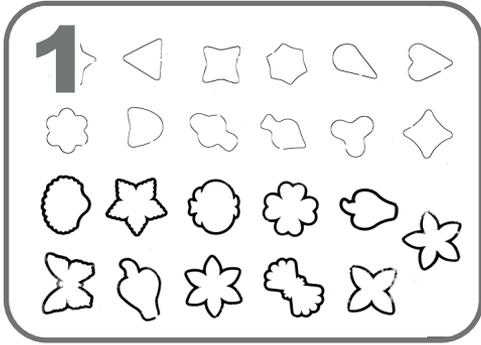
Similar to the paste-type, this viscous silver clay comes in a syringe, with which delicate lines can be drawn. Using the 4 different types of syringe tips you can draw various thicknesses of lines.



Sheet-Type:

This is a sheet of rolled out clay-type. Using this sheet saves you a lot of trouble rolling out clay evenly and is especially useful for precision work on pendants.





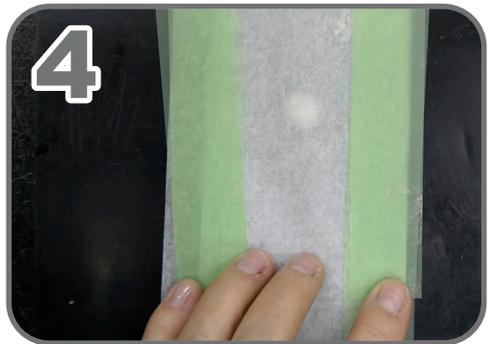
Decide on your pendant or charm sizes and shapes...



Select whether you want a smooth surface or a textured finish using one of the available texture plates.



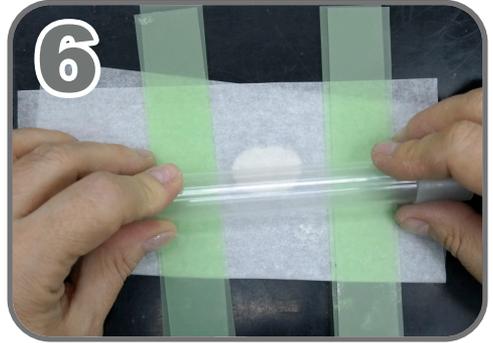
Place your clay on the wax paper or texture plate.



Fold over your wax paper to cover the clay and place your separator sheets evenly on either side.



Roll your clay flat in one direction until the clay no longer changes size/shape.



Then roll clay in the opposite direction



Carefully remove clay from plate and paper.



Choose your cutter and gently cut the shape into the clay. Alternatively cut your own shape with a craft knife.



Keep leftover clay for another piece of your design.



Use your sharp-tipped burnisher to create a small hole in your piece.



Dry your pendant or charm piece in a drying box or oven for 10 minutes.
***Remember which pieces are YOURS!**



Create additional charms or pendant parts with leftover clay.
Ensure you create connecting holes for each piece!
Dry these in a drying box or oven.



File the edges of your piece carefully and lightly - metal clay is **very** fragile in this state...



Be sure to look at the back of your piece and file the surfaces smooth before firing...



Optionally, use a soft sand sponge to lightly smooth any flat surfaces or raised areas to make finishing easier.



Fire your pieces at 800° for 5 minutes or, if using a gas stove, 650° for 10 minutes.



After firing, ensure your piece is cool then brush it on a rubber block.



Use a burnisher to polish the piece and bring out a mirror-like shine. Press the side of the burnisher against the piece, and rub it while applying pressure.



Use the provided professional silver cleaning cloth impregnated with silver cleaning material to add the finishing touches to your design.



Finally - attach your silver pieces to a chain or necklace and wear!



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this project on**



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and Management
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