

Project X .999 Silver Clay
Standard, Flex, Syringe and Pastes
Clay Revolution, LLC

Working with Project X .999 Silver Clay

Five Star Project X™ .999 Silver Clay is the flagship of the newest line of superior quality metal clay, made with the highest purity of silver! Introducing Project X .999 Silver Clay, the future of metal clay crafting. This cutting-edge material is now available in 5 gram, 15 gram, and 50 gram quantities, offering you the flexibility to choose the perfect amount for your projects.

Crafted with precision and innovation, Project X .999 Silver Clay is designed to exceed your expectations. With its new and improved formula, it boasts an extended working time, allowing you to shape and refine your creations with ease. Whether you're a seasoned artist or just starting out, this clay will give you the time and control you need to bring your vision to life.

One of the standout features of Project X .999 Silver Clay is its incredible firing range. It can be fired using both a torch and a kiln, providing you with maximum convenience and flexibility. Plus, it can be fired at lower temperatures, making it accessible to a wide range of jewelry makers. Say goodbye to expensive equipment and hello to limitless possibilities.

Once fired, the results will leave you in awe. Project X .999 Silver Clay delivers an ultra-high polish, giving your jewelry a professional and refined finish. The brilliance and shine of the silver will make your creations truly stand out.

With Project X .999 Silver Clay, you're not just using any ordinary material – you're stepping into the future of metal clay crafting. It offers a long working time, an incredible firing range, an ultra-high polish, and remarkable bendability after firing. Whether you choose to torch fire or kiln fire, the results will be nothing short of stunning. So, unleash your creativity and elevate your jewelry-making skills with Project X .999 Silver Clay today.

Working with Project X .999

To begin, it is crucial to “activate” the binder in your fresh Project X clay. This can easily be done by rolling the clay a few times on a flat surface, by kneading the clay with your fingertips, or a combination of both. If your clay seems dry or firm, the binder has not yet been activated, but once activated, your clay will be smooth, creamy & malleable. **Note:** This may be a different process than metal clay users are used to, but it is an important step to take when using Project X clay and ensures that your clay develops the characteristics that make it a premium clay.

To shape Project X .999 Silver Clay, a variety of tools can be utilized, including rubber stamps, cookie cutters, molds, and numerous common household items like pens, playing cards,

toothpicks, and combs. For a convenient and waterproof work surface, a piece of teflon or glass can be used. However, it is important to avoid using aluminum foil and aluminum tools in the process.

Each variant of Project X is conveniently prepared for immediate use upon opening. It is recommended to remove only the necessary amount from the package while promptly rewrapping the remaining clay in plastic to prevent it from drying out. Before commencing work, apply a thin coating of Liberation Spray or olive oil to both your hands and tools. It is crucial to avoid exposing the clay to drafts or hot lamps that may cause it to dry out during the process. To revitalize the clay for future projects, add a few drops of water or Project X X₂O at the conclusion of your work session and reseal it with plastic film. Keep any leftover clay scraps in an airtight container and incorporate a small amount of water to create slip.

The versatility of Project X .999 Silver Clay allows for cutting, texturing, layering, and shaping, empowering you to bring forth a myriad of forms, bounded solely by your creativity. Utilize water judiciously to seal joints and achieve smooth surfaces, taking care not to add an excessive amount. Many artists prefer working with Project X .999 Silver Clay while it is soft and malleable. An alternative technique involves creating a basic form and subsequently refining it through filing and carving after the clay has dried. To expedite the initial drying process, set the pieces aside or employ a hair dryer, lamp, or warming tray.

During the firing process, as the moisture and binder evaporate from Project X .999 Silver Clay, it undergoes proportional shrinkage. The shrinkage rate for Project X .999 is approximately 22-26%. When firing, it is advisable to follow the instructions for the hotter and longer firing schedule to ensure optimal results.

Firing

To successfully fire Project X .999 Silver Clay, any kiln capable of maintaining the necessary temperature for the specified duration can be utilized. For optimal results, a small programmable kiln is highly recommended. Place the work on ceramic tiles, soft brick, or soldering pads to provide a suitable surface. It is advisable to ensure proper ventilation during the firing process.

For objects containing metal inclusions, glass, or gemstones, following the minimum schedule outlined below may be necessary. However, whenever feasible, it is advisable to fire all versions of Project X at the highest recommended temperature for the longest recommended duration. To prevent the risk of burn injuries, it is safest to allow the work to cool down before removing it from the kiln.

Torch Firing

Use a small torch, bring metal to bright orange color and hold for two minutes. A bright orange color indicates the desired temperature range is achieved. The optimal temperature is 1,650°F/900°C. A whiter/lighter orange color indicates the temperature is lower than optimal and

may result in a lower sinter level. If a lower temperature is desired to compensate for inclusions such as gemstones, use a whiter/lighter orange color and continue firing longer, up to five minutes.

Kiln Firing

Project X .999 Silver Clays have a wide firing range. The optimal temperature is 1,650°F/900°C. The lowest suggested temperature is 1,110°F/600°C. At optimal temperature a shorter firing time is required to achieve a high sinter level. At lower temperatures, it is suggested that additional firing time is added to increase strength and sinter level.

Suggested firing schedules:

| Temperature | Hold Time | Approximate Sinter Level |
|--------------------|------------------|---------------------------------|
| 1,650°F/900°C | 2 minutes | High |
| 1,650°F/900°C | 30 minutes | Very high |
| 1,350°F/732°C | 30 minutes | Medium |
| 1,350°F/732°C | 2 hours | High |
| 1,110°F/600°C | 45 minutes | Medium |
| 1,110°F/600°C | 10 minutes | Very low |

Project X .999 Flex

Project X .999 Flex is a variant of silver clay specifically designed to offer an extended working period. Unlike other versions of Project X, Flex does not fully solidify at room temperature. This unique characteristic allows for the creation of rolls and sheets that can be stored for future use. Additionally, it enables you to return to partially completed projects several days later to continue working on them. When you wish to sand or carve Flex, it is necessary to dry the object by heating it to approximately 300°F/150°C for approximately 30 minutes. The firing and finishing processes for Project X .999 Flex are identical to those of other fine silver clays.

Using a Syringe

This particular variation of Project X has been specifically developed to enable extrusion through a nozzle, offering enhanced versatility in its applications. After the firing process, Project X .999 Syringe retains the characteristic of being 99.9% fine silver, consistent with all other versions of Project X .999 Silver Clays.

To initiate the flow of clay, simply remove the tip of the syringe and press the plunger. It is recommended to wipe off the initial bead that forms on the tip. Position the nozzle slightly above the desired starting point for the thread and apply even pressure on the plunger, allowing the thread to naturally descend into the intended location. When wrapping an object with syringe, adopt a looping trail technique to accommodate any shrinkage that may occur.

It is normal for a small amount of air to be trapped between the base of the plunger and the Project X within the syringe. This should not cause concern. As with other forms of Project X, it is essential to keep the container securely sealed when not in use and utilize the clay promptly for optimal results. By adhering to these guidelines, you can fully leverage the capabilities of Project X Syringe to achieve your desired outcomes.

Using Paste

Paste, alternatively referred to as slip or slurry, represents a distinct variation of Project X that possesses a paintable consistency. Similar to the other iterations, this version seamlessly integrates with all forms of Project X, and upon completion of the firing process, it retains a composition of 99.9% fine silver.

Paste serves multiple purposes, allowing you to effectively bond various parts together, fill cracks, and generate captivating surface textures. By layering the paste, you can construct intricate objects, such as applying it onto a combustible core. Additionally, paste serves as an invaluable tool for capturing organic textures, offering the ability to paint it onto a leaf, for example.

With its paintable nature and remarkable adaptability, paste unlocks endless creative possibilities in your Project X endeavors.

Project X .999 Paste comes in two versions; water based paste and oil based paste. Water paste is ideal for connections, painting hollow cores and layering.

Oil paste is a thicker paste with oil in the mixture, rather than only water. Oil paste helps stick tricky pieces together without the fragility of water paste. Use it to attach bezels, tough joins, or even connect two fired pieces of silver together! Oil paste requires a slightly longer drying time, and be sure to burn off the binders adequately in the kiln.

Finishing

Once fired, Project X transforms into a durable metal that can be easily worked using conventional jewelry tools such as saws, drills, sanders, soldering equipment, and enamel application tools. To achieve the desired finish, common techniques include hand burnishing, brass brushing, or using polishing papers.

Safety

While rare, it is important to note that a few individuals may experience skin rash or itchiness upon contact with Project X .999 Silver Clay. In such cases, it is advisable to cease using the product and seek medical advice from a physician. When handling Project X .999 Silver Clay, it is essential to wash hands thoroughly, avoid ingestion, and ensure it is kept out of the reach of children. Additionally, it is crucial to exercise caution to prevent burn injuries.