



COOL TOOLS

Jett Basic™ Plastic Vice Fixturing Compound

Jett Basic is a unique, easy-to-use compound formulated from an advanced thermoplastic material. It is a plastic vice and fixturing compound used for holding parts, custom grips, mold and form making, as well as many other applications. Quick to set, non-toxic, biodegradable and versatile, it will not stick to, scratch or damage metal parts and can be re-softened and used again and again. It requires no special tools.

Product Codes

Jett Basic 8 oz Jar: ACC-406

Jett Basic 1lb Bag: ACC-405

How to Use Jett Basic Thermoplastic

Jett Basic is made workable by soaking the pellets in hot water, then gathering into a ball of pliable material that can be used for stone setting, riveting, engraving, holding, custom handles, molds, textures, drying forms, as dies for hydraulic presses or anything else you can imagine. When cooled, Jett Basic can be hammered and will not chip, crack or break. Follow these instructions for preparing Jett Basic for use:

1. Pre-heat a glass container or pan of water to at least 145F, but not more than 170F. (A crock-pot works great for this, or use an electric hotplate or heating pot that can maintain a relatively constant water temperature). Use a small thermometer to monitor the water temperature.
2. Pour the Jett Basic pellets into the hot water. You can use as much or as little as you like. Allow the Jett Basic pellets to soften, which should take less than a minute.
3. Using tongs, a spoon or other utensil, press the material into a single lump and remove from the water. Squeeze the water out of the mass while forming it into a compact lump.
4. Form or press Jett Basic fixturing material as desired. Keep Jett Basic and your working surfaces wet to prevent sticking. Jett Basic will adhere to itself wet or dry.
5. Allow the material to cool or immerse in cold water to speed up the cooling process.

Jett Basic is reusable. Keep leftovers formed into thin sheets for speedy softening when you need it next time. Do not leave Jett Basic in hot water all day. Heat only when you are going to use it.

Cautions

- Do not use a torch or flame to heat Jett Basic. The material is flammable.
- Never heat Jett Basic in a microwave without water.
- Jett Basic sticks and bonds to tools that are made of PVC plastic, especially if the PVC is also hot.
- Use caution when handling hot containers, water and plastics.
- Jett Basic can lose its desirable properties and become tacky and stick to fingers or work pieces if exposed to water temperatures above 180F (85C), for extended periods. If this happens, spray your Jett Basic with CoolSlip and work it in.





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Jett Basic Applications

Arts and Crafts

Jett Basic can be shaped while warm similar to other modeling materials. It can be used for making textures, drying forms, stamping tools, and for holding small parts.

- Roll plastic with your metal clay roller to flatten into sheets. Make sure roller and Jett Basic are wet and do not use wood or PVC as rollers.
- Can be placed directly on the face or skin to produce form-fitting mask. (Caution: Test temperature first). Add parts and features by heating the areas to be joined using a hair dryer on high heat and low speed.
- Cut with scissors or scalpel when warm. File and/or cut with rotary tools when cold.
- Can be painted using most hobby paints.

Custom Tools and Handles

Jett Basic can be formed into comfortable, customized handles for your bench tools.

- Form pistol grip file handles to reduce wrist fatigue.
- Make custom graver or file handles for a more comfortable and accurate grip of your engraving tools. Cut a few small grooves across the tang of your graver or file to allow the Jett Basic to securely grip.

Jett Sett

Jett Sett is another formula of plastic vice fixturing compound. This version has a ceramic component and has different characteristics. It takes very fine detail and is fantastic for making temporary or permanent molds. Check out product codes: ACC-403 and ACC-404 on our website to learn more about Jett Sett.