



Laser Cutter Materials

Please do not use any materials that you are not 100% certain are CO2 laser compatible in the machine.

Some materials are **not allowed** to be cut or etched due to safety concerns or because they will damage the machine. These machines **do not** cut metal of any kind.

The most common materials that **cannot** be used on the laser cutters are:

- PVC/vinyl/artificial leather
- Polycarbonate
- Fiberglass
- ABS plastic
- Polystyrene (styrofoam)
- Polypropelene
- HDPE plastic

Below are some examples of materials that are safe to use with a CO2 laser such as the Glowforge Pro or Universal VLS. Some materials can be cut and engraved, while others can only be engraved. This is not a full list, but it does cover the most common materials.

Cuts and Engraves

Wood

Real Leather

Acrylic/Plexiglass

Paper

Cardboard

Cork

Rubber

Engraves only

Glass

Marble

Anodized Aluminum

Rubber Stamps

Stone

Titanium

Where to find materials?

Local

- Home Depot, Menards & Lowes all carry various sizes and thicknesses of acrylic sheets, plywood, and limited selections of hardwoods.
- Midwest Plastics, Inc.
<http://midwestplastics.com>
6460 S. 84th St, Omaha, NE 402-339-1226
Carries clear and colored acrylic sheets
- Dan's Custom Sawmill
<https://www.danscustomsawmill.com/>
402-980-0249
Offers cuts of raw lumber: Walnut, Ash, Cedar, Maple, Spruce, and more
- Woodcraft of Omaha
<http://www.woodcraft.com/>
14605 Wright St, Omaha, NE 402-330-5444
Carries a variety of wood blanks of sizes under 12"
- Hobby Lobby & Michaels
Usually carry tiles of various materials, cork, foam, felt, and lighter hobby woods

Online

- shop.glowforge.com
Glowforge has their own line of Proofgrade materials designed for the best results and ease of use
- Amazon, ebay, various other retailers
Acrylic, wood stock, just about anything else that could be used on a laser cutter.
- <http://www.woodcraft.com>
Carries a variety of wood blanks of sizes under 12"
- <http://www.bellforestproducts.com>
Carries exotic and common species of wood blanks