

# Material Guide

To safeguard both human health and the integrity of your Optic, it's crucial to use only materials confirmed to be safe for laser cutting and engraving. Never process materials with unknown properties.

You may have purchased our Rendyr-certified ("RC") materials which are laser-compatible and come with our proven cut and engrave settings.

However, when sourcing materials from other suppliers, we cannot guarantee their safety or provide material settings. Look out for materials that are marked as safe for processing with laser cutters or inquire directly with the supplier and review the material safety data sheet (MSDS) to ensure that you can safely use the material with your Optic.

## Summary Table

✓	Compatible	⊖	Unsafe
✗	Incompatible	***	Read FAQ below

Category	Materials (most common)	Engrave	Cut
Fabrics	Felt, synthetic	✓	✓
	Leather, veg. tanned	✓	✓
	Leather, chrome tanned ***	⊖	⊖
Foams	EVA foam	✓	✓
Metals	Aluminum, anodized	✓	✗
	Steel ***	✓	✗
	Galvanized metals ***	⊖	⊖
	Soft metals (Gold, Silver, Brass, etc.)	✗	✗
	Chrome, reflective ***	⊖	⊖
	Copper, reflective ***	⊖	⊖
	Mirrors	Reflective materials ***	⊖
Paper-based	Cardboard	✓	✓
	Cardstock	✓	✓
	Chipboard	✓	✓
	Paper	✓	✓

Plastics	Acrylic, most colors	✓	✓
	Acrylic, clear ***	✓	✗
	Acrylic, blue or white	✗	✗
	Delrin	✓	✓
	Laser-safe "Vinyl" ***	✓	✓
	Laser-safe sticker sheets	✗	✓
	PVC	⊘	⊘
Rocks	Cement	✓	✗
	Ceramic	✓	✗
	Slate	✓	✗
Rubber	Rubber, natural	✓	✗
Woods	Plywood ***	✓	✓
	Softwood ***	✓	✓
	Hardwood	✓	✓