

# LASER ENGRAVING & CUTTING MATERIAL USAGE

## DREMEL LC40 LASER ENGRAVER AND CUTTER COMMONLY USED MATERIALS\*

- |                      |                 |                             |                       |
|----------------------|-----------------|-----------------------------|-----------------------|
| • Acrylic†           | • Cardboard     | • Glass                     | • Oak, solid          |
| • Aluminum, anodized | • Cotton fabric | • Leather, vegetable tanned | • Paper               |
| • Plywood*†          | • Denim fabric  | • Maple, solid              | • Rubber, laser grade |
| • Cork               | • Felt (wool)   | • Mat Board                 | • Walnut, solid       |

\* Must be California 93120 Phase 2 & TSCA Title VI compliant for formaldehyde

† Birch and walnut Plywood and Acrylic are available from Dremel.

\*\*When using materials other than those commonly used, ask the manufacturer for the SDS (Safety Data Sheet) for each material.

## DREMEL LC40 LASER ENGRAVER AND CUTTER PROHIBITED MATERIALS

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| • ABS   | • Painted material, varnished materials  |
| • Beryllium oxide   | • Particleboard, paneling  |
| • Carbon  | • Polycarbonate  |
| • Chlorinated plastics  | • Polychloroprene (CR or chloroprene rubber, marketed under the brand name of Neoprene)  |
| • Coated carbon fiber   | • Polypropylene foam, Polypropylene sheet  |
| • Coated materials  | • Polystyrene foam   |
| • Epoxy based or phenolic resins  | • Polyurethane, Polyurethane foam  |
| • Fiberglass  | • Polyvinyl chloride (PVC) found in many common products such as but not limited to; flooring, siding, piping, roofing membranes, credit cards, toys, flexible tubing. |
| • Fluorine based plastics:<br>PTFE (Teflon)<br>Fluorinated ethylene propylene (FEP)   | • POM Delrin/acetyl  |
| • Galvanized metal  | • Rubber   |
| • HDPE (High Density Poly Ethylene)   | • Styrofoam  |
| • Leather, Artificial or Chrome tanned leather  | • Wood that has been:  |
| • Materials containing:<br>- Astanine - Bromine - Chlorine - Fluorine<br>- Formaldehyde (excluding plywood listed in Table 1)<br>- Flame-retardants - Halogens - Iodine | - Coated - Fumigated - Pressure treated - Stained  |
| • Mirrored surfaces   |  |
| • Nylon   |  |

**While the Dremel LC40 Laser engraver and cutter can cut and etch a variety of materials, some materials such as most metals, cannot be marked and will give less than desirable results. Other materials may not have acceptable finish quality.**