

Using CerMark Ultra Marking Paste

Create solid black permanent markings on a wide variety of materials including: uncoated metals such as stainless, brass, aluminum and more as well as ceramics (glazed or unglazed), glass, porcelain, brick (glazed & unglazed), stone, slate, and more. CerMark ULTRA will not stain sensitive metals such as brass, nickel and others. CerMark ULTRA paste can be applied with a spray gun, air brush, or aerosol.

Applying CerMark ULTRA Marking Paste:

- Clean the material surface to ensure it is free of any oils, grease, lubricants, dirt, etc.
- Cover the area to be marked with two passes of a light, even coating.
- Allow 3-5 min. to dry. Do not force dry Cermark with heat lamp, air blowers, or fans.
- Non-metals: Apply second coat for higher contrast. Allow first coat to dry 30-40 sec. before applying second coat.

CO2 Laser Marking on Metals

The following laser settings should be considered starting points. Additional test marks may be necessary to optimize performance.

Laser Wattage	Laser Power	Laser Speed	Resolution (DPI/PPI)
25	100%	10%	600
35	90-100%	30-60%	600
50	80-100%	30-80%	600

CO2 Laser Marking on Aluminum & Brass (Minimum 50 Watt CO2 laser recommended.)

Laser Wattage	Laser Power	Laser Speed	Resolution (DPI/PPI)
25	100%	10%	600
35	90-100%	10-30%	600
50	90-100%	20-40%	600

CO2 Laser Marking on Non-Metals

Laser Wattage	Laser Power	Laser Speed	Resolution (DPI/PPI)
35	15-30%	10-40%	600

- YAG laser systems: 10-20 watts output, 10-20 in./sec. laser speed.
- Wash with water, wet towel, or sponge to remove unused coating from material surface.