

BARRIER PENETRATION CERTIFICATION

>25 kW/cm²

Supplier: Kentek
Purchase Order #: 105241
Part Number: EVER-GUARD®
Run Number: N/A

Cert. Number: 83305-A
Date: May 28, 2026

Requirements: ANZI Z 136.7-2020 Appendix G. *Barrier Testing Parameters and Protocol*

TEST PARAMETERS

Coating Type: Proprietary Aluminum
powder coated design
Test Wavelength: 10.6 μm
Polarization: Random
Pulse Width (FWHM): CW
Spot Diameter (1/e): 3.0 mm/1.0 mm
Test Prep: None
Quantity: 3

Substrate Material: Aluminum
Incidence Angle: 0°
PRF: CW
Transverse Mode: TEM₀₀
Axial Modes: Multiple
Number of Sites: 1
Exposure Duration: 100 seconds/site

TEST RESULTS: No penetration observed at 2.7 kW/cm² using 3 mm beam. Beam reduced to 1 mm to provide a maximum irradiance of 25 kW/cm² no penetration observed after 100 second exposure at this level. This represents the limit with available laser power.

COMMENTS: None.

Spica Technologies, Inc. certifies that this item has been exposed to the conditions described above. All test and calibration data are maintained on file. All instrument calibration is traceable to NIST.

Test reviewed by:



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