



UV-VIS Silver Coatings

Protected and Enhanced

Acton Optics & Coatings' protected and enhanced silver mirror coatings offer breakthrough levels of durability and reflectance. These proprietary coatings are offered on a variety of substrates, including diamond-turned aluminum, and are the ideal choice for highest reflectivity from 500nm to 2 μ . The excellent reflectance and durability can easily be extended into the 3 to 5 μ range if required. These dependable coatings can be manufactured to provide greater than 98% average reflectance over very broad bandwidths. Coatings have been optimized for visible, NIR, as well as a combination of visible and NIR performance. The longevity of the mirror is maximized by the precise deposition of proprietary binder layers and dielectric overcoat layers carefully selected based upon substrate choice and end user application. This newly developed coating protects diamond-turned substrates from scratches and corrosion.

Applications: Military Optics, Telescopes, Space Flight Hardware, Analytic Instruments, Ultrafast Ti:Sapphire Lasers

Coatings can be applied to Acton standard substrates (pgs: 32-33), custom substrates and customer supplied material (CSM). Please contact Acton Optics & Coatings for details.

