

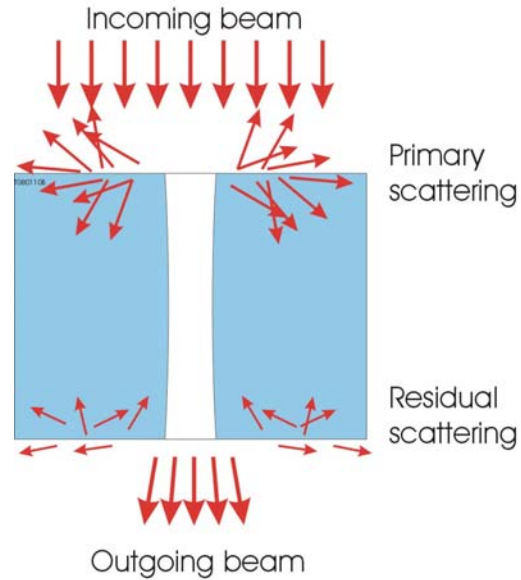
Selecting the Appropriate Surface Finish

Remember that Translume apertures are made of fused silica, a material that is highly transparent from 180-nm to 3.4 micron. Below 160-nm and above 4 micron our precision apertures operate by blocking the unwanted incoming signal through absorption (as do traditional metal apertures).

Double Depolished Surface Finish

In the fused silica transparency region (180-nm to 3.4 micron) our apertures prevent the transmission of unwanted signal through scattering as illustrated on the right.

This design reduces unwanted plasma formation and prevents excessive aperture heating, limitations often encountered in high-average and high peak-power applications when using traditional metal apertures.



Clear Surface Finish

Beside our double-depolished surface finish, we also offer a clear finish.

Special Order Coatings

Other coatings (dielectric, metals) are available on a special order basis.

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