
Energy Science Laboratories, Inc.

6888 Nancy Ridge Drive, San Diego, CA 92121-2232

tel:(858)552-2032, fax:(858)587-7092, <http://www.esli.com>

ESLI VEL-BLACK™

Description: Ultra-low reflectance coating (black velvet applique)

Applications: Stray-light suppression, light traps, space simulation chambers, photodetector calibration, high-emissivity coating

Outstanding Features:

Ultra-low reflectance (<0.5 %) over broad band (UV-VIS-mid IR)

Highly diffuse scattering (Lambertian)

Robust under normal handling

Convenient application (applique)

Lightweight

Wide temperature range (cryogenic – 150°C or more)

Thickness 2 ½ mm (0.1")

Flexible

Standard Product:

Vel-Black™ G100C-M2

PSA Attachment

Available in sizes up to 2' x 3' at \$100/ft²

Custom shapes

Patch kits also available



Call for special requirements such as high or low temperatures, high thermal conductivity, low outgassing, thin coatings, nonstandard shapes or sizes, or special attachment requirements.

Contact:

Christopher L. Seman

(858)552-2039

cseaman@esli.com

Caution: This product consists of numerous small diameter carbon fibers. Some of these fibers can escape as debris which, although not a serious health hazard to humans (classified as an irritant), can potentially cause shorting of electrical equipment, or possibly electrostatically cling to dielectric optics.