

HANDLING INSTRUCTIONS

VANTABLACK[®] S-VIS + S-IR



PRODUCT DESCRIPTION

Vantablack[®] S-VIS/S-IR is a light absorbing coating manufactured and sprayed by Surrey Nanosystems. The material is a cutting-edge super-black absorber coating engineered with advanced carbon nanotube technology to significantly enhance instrument stray light performance. This space-qualified coating outperforms conventional black absorbers by efficiently absorbing photons from all angles and has the capacity to absorb more than 99% of all visible spectrum light ensuring unparalleled stray light suppression.

With over a decade of proven success in low Earth orbit (LEO), it has consistently delivered outstanding performance in the most challenging environments both in space and on earth. Vantablack[®] has been applied in space & defence, automotive sensing, architecture, camera systems, luxury goods and even works of art.



HEALTH & SAFETY

Please read the material safety data sheet provided or available at

- www.surreynanosystems.com/resources



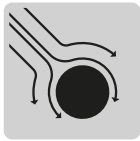
HANDLING

The Vantablack surface should not be touched.

Vantablack S-VIS/S-IR is highly emissive nanostructured coating consisting of short, non aligned carbon nanotubes bound together into a low density film. The surface is highly susceptible to direct impact or abrasion which may damage the material's optical properties.

We recommend the use of powder free latex/nitrile gloves. This avoids skin contamination of the super-black surface during the handling or assembly process. Skin contact risks leaving fingerprints or residues that may impair the optical performance.

Any abrasion of the surface is likely to damage the coating structure and impair the optical performance. Damage would not be noticeable over small areas, but good handling procedures will lead to a better visual result



CLEANING THE SURFACE

Light dust/dirt may be removed using low pressure, filtered compressed air (1 bar max.) or lens cleaning puffer, always taking consideration the handling and health and safety advice provided in the material safety data sheet. Do not use physical contact or solvents to clean the surface.



TECHNICAL SUPPORT

For Further technical support please contact:

- **technicalsupport@surreynanosystems.com**