

# what is VANTABLACK?



Developed by Surrey NanoSystems, Vantablack is a super-black coating that holds the world record as the darkest man-made material. Vantablack absorbs up to 99% of visible light. Composed of vertically aligned carbon nanotubes, Vantablack literally traps light which is continually deflected within the tubes until it becomes absorbed.

Vantablack must be directly 'grown' on a surface or substrate in a specially designed reactor chamber using vacuum-deposition technology. Vantablack S-VIS is a sprayable version that can only be applied under controlled conditions and must go through a process that involves temperatures between 212 and 572 °F.