Black coating (IMT-BC)

IMT has developed a novel black coating for optical apertures and field limitation frames used in cameras and optical systems. The IMT black coating is made out of non-organic materials showing an excellent stability in temperature and time, an excellent adhesion to most materials and a neutral reflection spectrum.
Applications
› Cameras
› Optical systems

Benefits
› Excellent stability
› Excellent adhesion to most materials
› Neutral reflection spectrum

Technical Data
Substrate materials
› Glass, ceramic, metals, etc.

Dimensions
› On request, up to 8”

Optical properties
› Reflection < 3 % a 320 - 1200 nm
› Optical density > 3.5
› Structurable
› Other optical properties on request

Feature size
› Down to 5 µm

Environmental properties
› High stability, up to 300 °C
› Abrasion resistance MIL - PRF - 13830 B
› Adhesion MIL - PRF - 13830 B
› Salt Spray MIL - PRF - 13830 B

About IMT
› Foundry for optical, electrical and micro-fluidic structures and components
› Fast prototyping through in-house mask manufacture
› Staff of 100 employees
› 1300 m² clean room