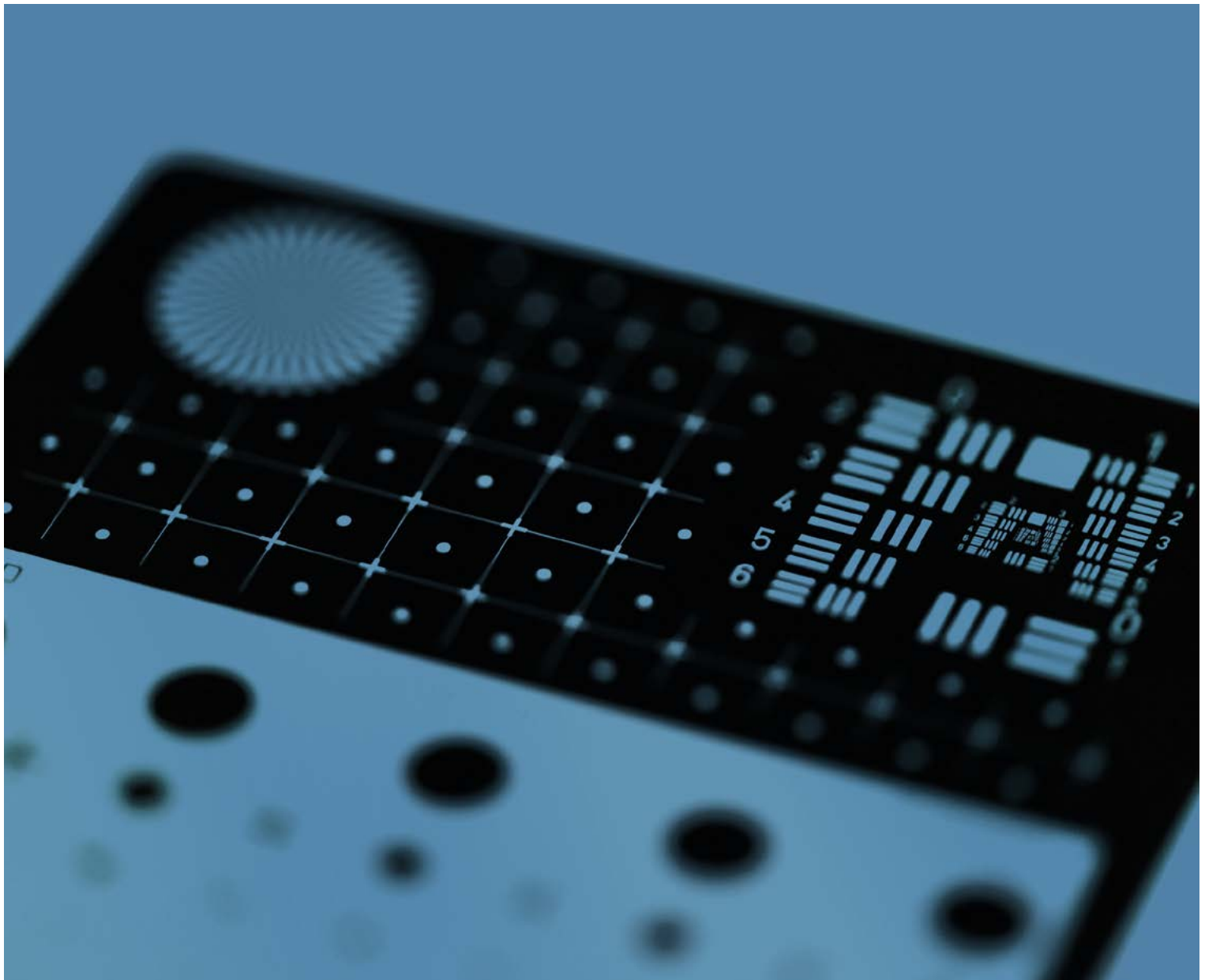
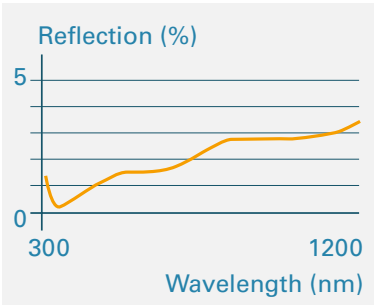
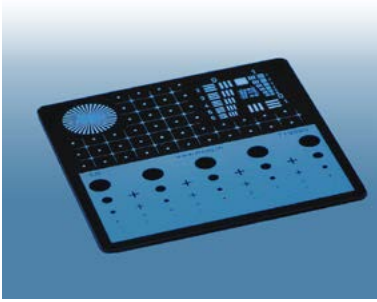


## Black coating (IMT-BC)

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 %  $\alpha$  320 - 1200 nm
- › Optical density > 3.5
- › Structurable
- › Other optical properties on request

### Feature size

- › Down to 5  $\mu$ m

### 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 m<sup>2</sup> clean room



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