

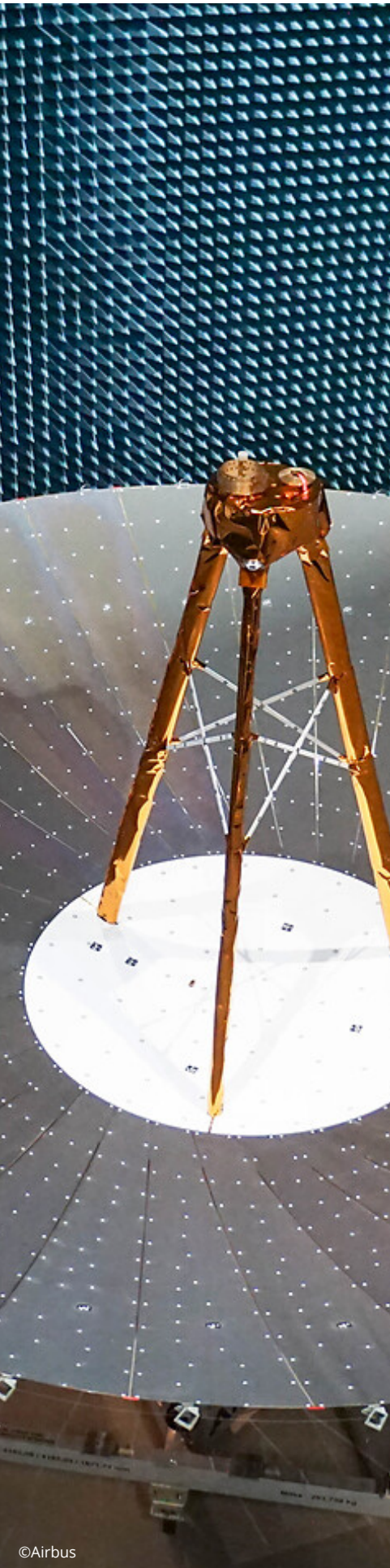
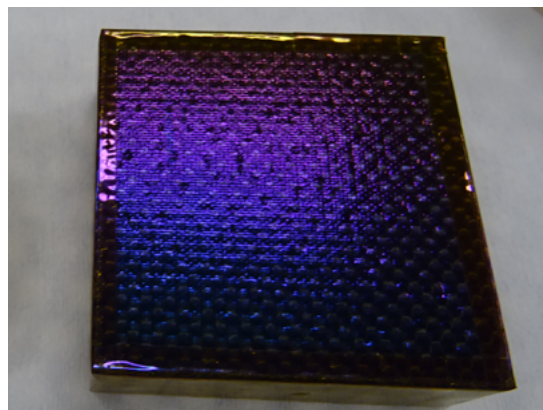
PROTECTIVE COATINGS

PROTECTING SUBSTRATES FROM SEVERE ENVIRONMENTS


For Space, Industry, Astronomy and Research

- > Feasibility studies and design service
- > From prototype to mass production
- > From small to large dimensions
- > Bridge cranes to handle heavy optics

Features of Protective coatings	
Substrate materials	Silica, Zerodur®, Aluminum + NiP, Bare aluminum, Stainless steel, SiC, CFRP etc.
Substrates shapes and dimensions	Flat, concave and convex Up to diameter 2000mm, 400mm height and 1.5 tons
Coating type	Dielectric layers: SiO ₂ , Al ₂ O ₃ , ZrO ₂ , etc. Metallic layers: Al, Si, Ni, etc.
Coating process	Magnetron sputtering (dense coating) 900m ² of clean room ISO5 to ISO8
Examples of applications	Protection against ATOX Management of the emissivity
Cosmetics	5/C 1x0.16 per 100mm pupil according ISO 10110-7
Environmental compatibility	Suitable for severe environments (ATOX, radiations, vacuum, humidity...) Space heritage available upon request Cleanable
Coating areas	Full surface coating Coating free areas masked upon request



CONTACT

Email: optics@cilas.com
Phone: +33 4 42 36 97 00
 @CILAS

CILAS

600 avenue de la Roche Fourcade
 13400 Aubagne - France
www.cilas.com