

- Acktar coating performance without shipping parts for coating
- Very low reflectance - EUV thru FIR
- Available as customer-designed preforms/die-cuts
- Simple pick-and-place application



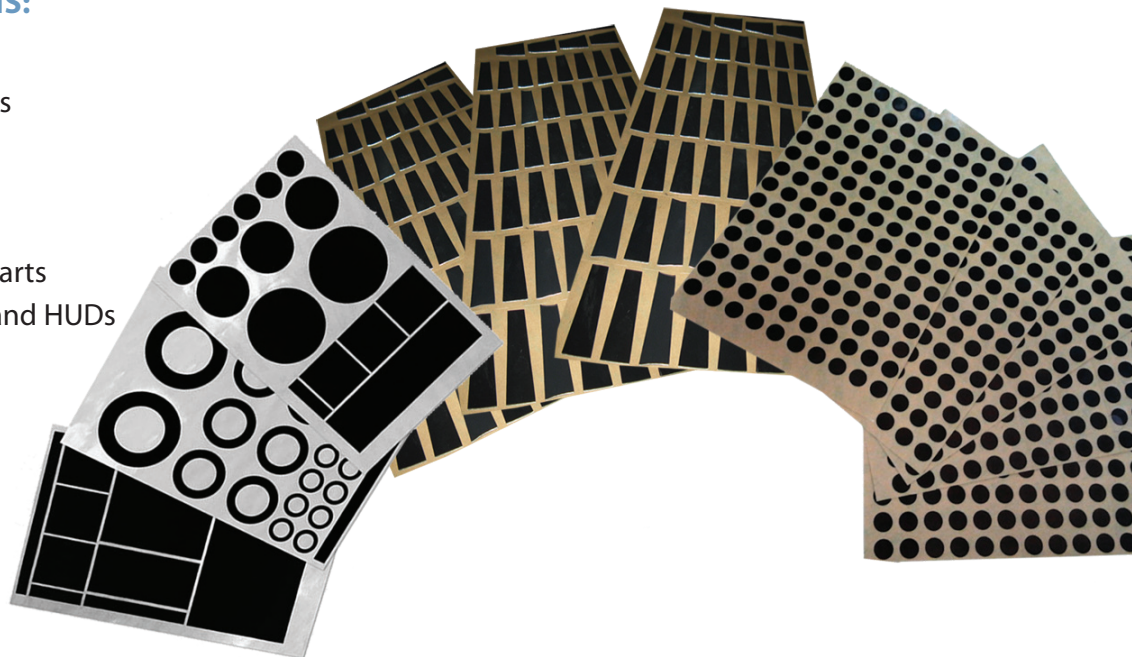
MAIN FEATURES:

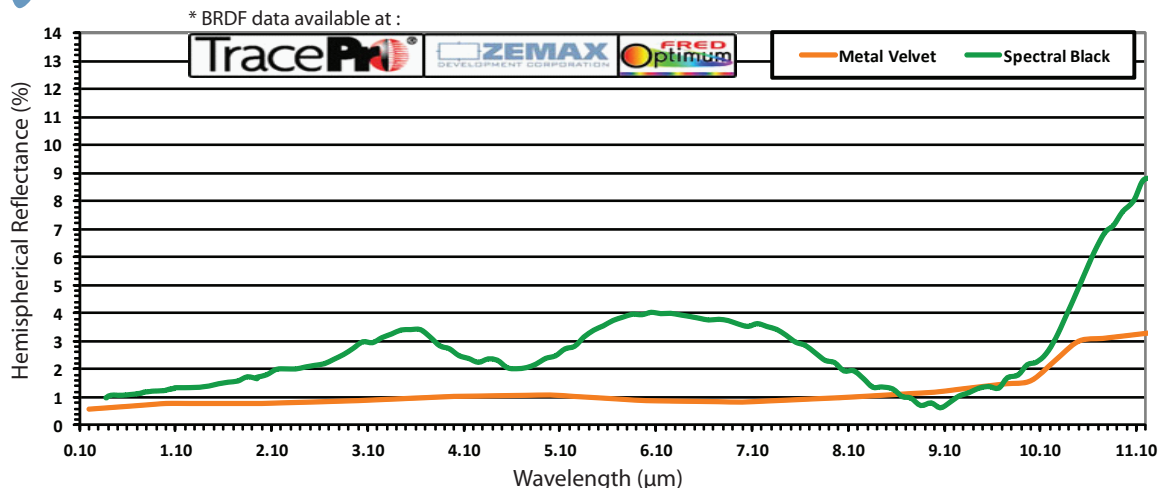
- Broad-band optical performance
- Choice of Metal Velvet or Spectral Black coating
- Broad operational temperature range
- No particulation – clean room compatible
- No outgassing, CVCM < 0.001
- Biocompatible – no cytotoxicity
- No laser induced fluorescence
- High laser damage threshold (LDT)
- Cleanable
- Preforms to customer design
- Suitable for flat, concave, or convex surfaces
- Standard, low-outgassing, and hi-temperature adhesive options



TYPICAL APPLICATIONS:

- Stray Light Suppression
- Optical System Housings
- Apertures and Baffles
- Beam Dumps
- Laser Safety Screens
- Mobile phone camera parts
- Automotive – cameras and HUDs
- Calibration Standards
- Analytical Lab arrays





	Metal Velvet™	Spectral Black™
Appearances	Ultra -Diffusive-matte	Specular
Working Temperatures		
without adhesive	long term: -196°C to +350°C, short term: up to + 400°C	
with standard adhesive	long term: - 40°C to +121°C, short term: up to +177°C	
with low-outgassing adhesive	long term: - 50°C to +150°C, short term: up to +260°C	
Chemical Content	completely inorganic	
Foil Substrate material	Aluminum foil – standard	
Product structure, Thickness		
overall thickness	180 microns nominal	190 microns nominal
Protective layer		
Acktar Black foil	120 microns typical	130 microns typical
Adhesive	60 microns typical	
Liner		
Abrasion Resistance	light – should not be rubbed	moderate
Humidity Resistance	MIL-C- 48497A	
Storage and Shelf Life – adhesive limited		
storage conditions	indoor conditions, (approx. 21°C; RH approx. 50%)	
standard shelf life	for best performance, apply adhesive and remove protective layer within 12 months of shipment from Acktar	
Cleanability	compressed dry air or nitrogen	
Delivery Formats	Sheets 200/300mm width	Sheets or roll 200mm width
Additional Options	preforms die-cut as per customer drawing	
	hi-temperature adhesive, 180°C long term	

* The data should be considered typical/representative only.

HEADQUARTERS

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