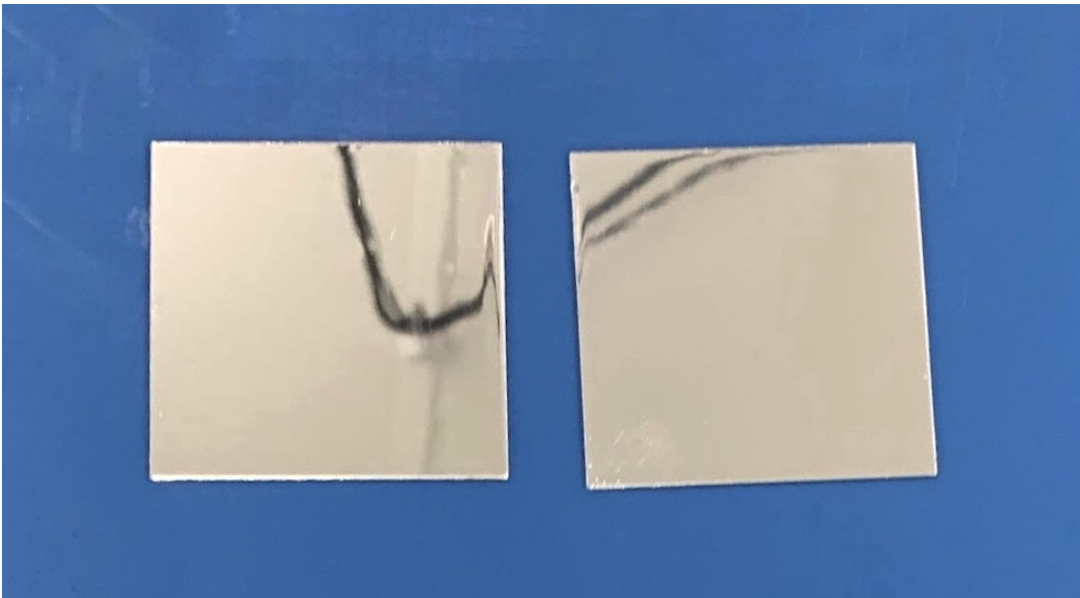




# SQUID3 SPACE

## **SQ-1 Optical Solar Reflectors** Offering thermal control, UV protection and charge mitigation.



Optical Solar Reflectors (OSRs) are the ultimate thermal management solution for safeguarding your satellite against the extreme temperatures of space. Engineered with spaceflight proven materials, SQUID3 OSRs offer unmatched thermal control capability by reflecting intense solar radiation while maximizing internal heat radiation. This ensures your satellite operates within optimal temperature ranges, guaranteeing peak performance and extended mission life. Embrace the power of OSRs and elevate the reliability and durability of your space missions.

# Satellite Thermal Solution

## Products

- SQ-1 Rigid Optical Solar Reflector
- SQ-2 Flexible Optical Solar Reflector

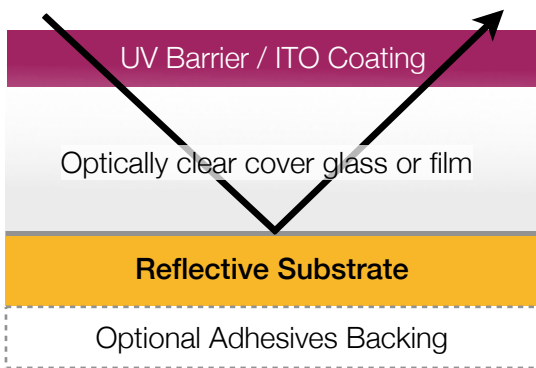
## Applications

May be used as a surface material on satellite radiators and structural panels. Product standard sizes are 1x1” and 2x2”.

## Features

- Customizable sheet sizes
- No minimum order quantity
- Various surface coating (UV resistance and ITO)
- Electrical- or thermal-conductive adhesives backing
- Meet NASA low outgassing requirement (ASTM E-595)
- Pass thermal vacuum cycling (-40°C to +120°C)
- Optical degradation details available on request

( Not to scale )



PRODUCT NUMBER	THICKNESS	MASS DENSITY	SOLAR ABSORPTANCE ( $\alpha$ )	IR EMITTANCE ( $\epsilon$ )	FORM FACTOR
SQ-1	0.3 mm	400 g/m <sup>2</sup>	0.1	>0.8	Rigid
SQ-2	0.2 mm	200 g/m <sup>2</sup>	0.1	>0.8	Flexible

For availability or to learn more, contact our team at [info@squid3.space](mailto:info@squid3.space), or visit [www.squid3.space/osr](http://www.squid3.space/osr)