



Building Sustainable Innovation

SKY FILM

camouflage by mirror

Intended to **reduce the visual impact of your equipment and supports in the environment** of your site, our mirror adhesive solution adapts to different smooth coatings.

YOUR ADVANTAGES

Easy application

100% Polymer, the film's thickness (0.75 mm) makes it easy to smooth over all flat surfaces, for an impeccable result.

Successful concealment

Designed to reduce the visual impact of your infrastructures, multi-layer technology produces a metallic sheen without using metal.

Guaranteed radio transparency

Tests carried out at three angles of incidence (60°, 90° and 120°) at 500 MHz attest to the preservation of radio transparency.

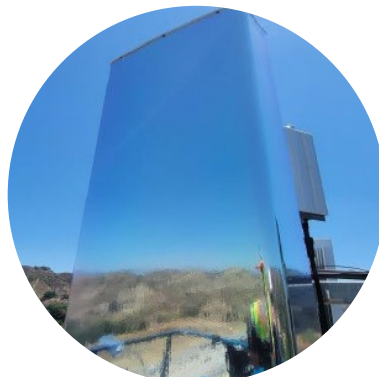
Optimal and sustainable adhesion

Guaranteed for 2 years, the film withstands temperatures ranging from -60° to +68°.

Clear laminate provides extra protection and life span.



EXEMPLES OF APPLICATION





RADIOTRANSARENCY TESTS

RF tests have been done on the concealment film.

The attenuation of the film was measured at three angles of incidence (60°, 90° and 120°) at 500 MHz, swept over 1 ~ 6 GHz, with additional points at 10, 20, and 40 GHz.

Testing Notes

The dips/peaks at 6 GHz seen on the 1 ~ 6 GHz sweeps are an anomaly. The tested dielectric material between the Tx and Rec antennas have the electrical effect of moving the antennas farther apart, thus changing their phase centers.

The 5 ~ 6 GHz sweeps using a differing setup resolves the issue and are representative of performance, which is about 0.2 dB loss over the one to six gigahertz frequency range.

As can be seen in the sweeps, the system was taken right down to the noise floor.

While very transparent to radio waves, the tested material does block InfraRed quite well.

RF Return Loss

Conditions tested: 500MHz to 6GHz (with extended testing points at 10, 20, 30, and 40GHz).

TEST RESULT: 0.2 dB loss over the 1 to 6GHz frequency range.

ANGLE	500 MHz	10 GHz	20 GHz	30 GHz	40 GHz
60°	0.5 dB <	0.30 dB	0.85 dB	0.90 dB	1.05 dB
90°	0.5 dB <	0.25 dB	0.60 dB	0.55 dB	0.75 dB
120°	0.5 dB <	0.30 dB	0.85 dB	0.90 dB	1.00 dB

