Visible Conductive Coating
CO CCO3

Low reflectivity conductive coating

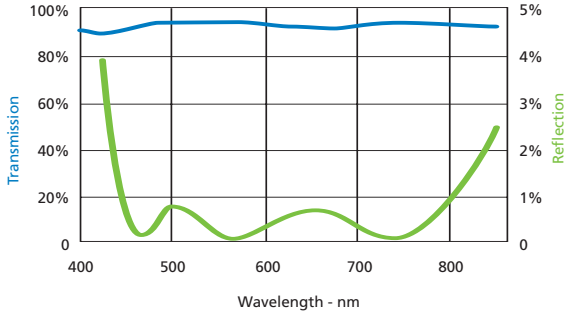
DESCRIPTION

This coating has been designated to have extremely low reflectivity in the visible region, combined with excellent electro enhancement properties.

The coating can be used in cockpit lighting, or any environment where stray light and electromagnetic frequencies give problems, to provide contrast enhancement and E.M.C. screening.

SPECTRAL PERFORMANCE

Typical spectral performance is shown below.



T ≥ 95% average, 450 nm to 800 nm, 1 mm thick
T = 35% ± 2% 450 nm to 800 nm on NG5, 2.5 mm thick
R ≥ 1.5% Average, 450 nm to 700 nm

SHIELDING CHARACTERISTICS

Typical shielding performance is as follows.

KHz		MHz			GHz		
10	100	01	10	100	01	10	Frequency
140	125	100	85	60	45	30	Shielding (dB)

EARTHING OF COATING

This is achieved using a conductive busbar around the perimeter of the substrate, the size of which can be made to your exact requirements.
If desired, earthing leads can be soldered to the busbars.

CEMENT / LAMINATION

The coating is compatible with optical cements and PVB to enable polarisers/dyed glass to be incorporated into constructions.

ENVIRONMENTAL PERFORMANCE

The coating will pass the following tests:

Adhesion	MIL C-48497	Para 4.5.3.1
Humidity	MIL C-48497	Para 4.5.3.2
Abrasion	MIL C-48497	Para 4.5.3.3
Salt Solution	MIL C-48497	Para 4.5.5.2

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