

FLUORESCENT LIGHTING --- A CAUSE OF FADING

413-1-10

The ordinary fluorescent bulb emits practically the same wavelengths of ultra-violet and visible light as the sun. While this radiation from fluorescent bulbs is not as intense as the radiation from the sun, it is, nevertheless, present whenever the bulbs are operating. Since museums burn their fluorescent bulbs from opening to closing time - as much as 16 to 15 hours per day - the ultraviolet radiation from the fluorescent lighting gradually affects colors of displays and actually deteriorates the fibers on some types of cloth which are displayed in close proximity to the bulbs.

ULTRAVIOLET ABSORBENCE PERFORMANCE OF SOLAR-SCREEN FLUORESCENT BULB JACKETS AND CLEAR U.V. FILMS

Solar-Screen Fluorescent Bulb Jackets and Clear U.V. Films have virtually the same light transmission in the visible light spectrum as ordinary window glass. But as you will note in figures 1 & 2 our materials cut off light transmission sharply at 0.4 Microns and therefore transmit practically none of the Ultraviolet region

With Solar-Screen Clear Fluorescent Bulb Jackets there is no distortion of light and case displays can be set and properly illuminated *without concern of fade* or other deterioration from fluorescent bulbs.

FLUORESCENT BULB JACKETS ARE ENGINEERED FROM SPACE AGE TEAR PROOF MYLAR®.

NO REPLACEMENT COST WITH FLUORESCENT BULB JACKETS. When a bulb burns out or is defective, simply slip jacket off old bulb and install on new bulb. They can be used over and over again to give sure fade protection to priceless letters, papers and priceless works of art.

FIGURE 1
ABSORPTION SPECTRUM FOR SOLAR-SCREEN FLUORESCENT BULB JACKETS
(low range)

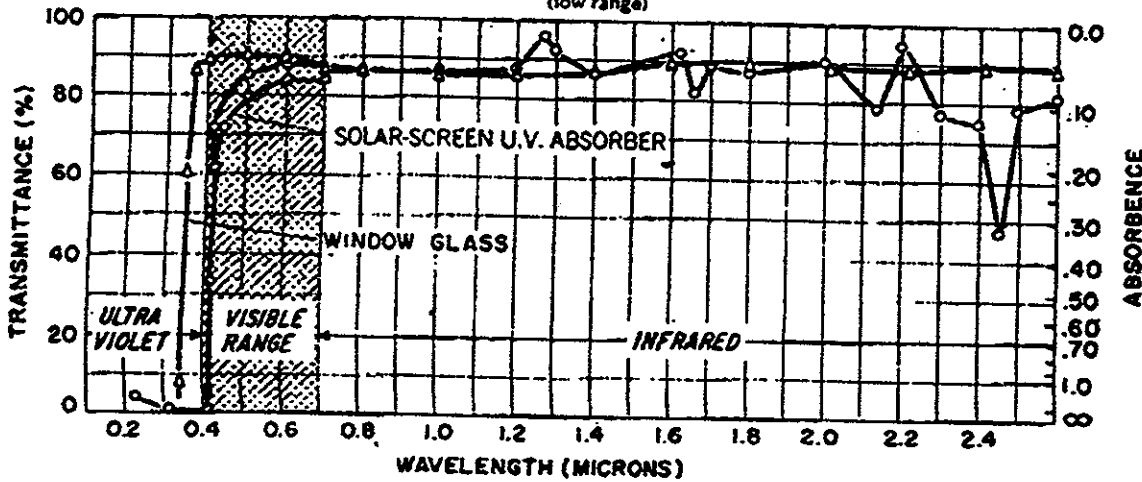
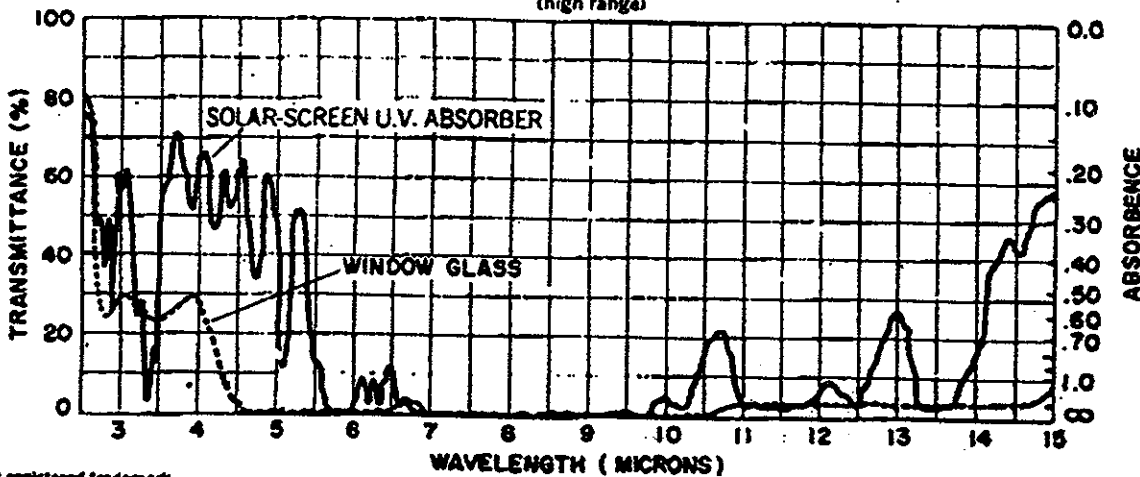


FIGURE 2
ABSORPTION SPECTRUM FOR SOLAR-SCREEN FLUORESCENT BULB JACKETS
(high range)



*Du Pont registered trademark

Note: It blocks 96-99% of the UV light.