

Amber81

BY MADICO

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Product Guide



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MADICO®

The Clear Choice for Architectural Film



Achieve Outstanding UV Blocking with Amber 81

Amber 81 is a special purpose film designed for use in environments that require the blocking of ultraviolet light into the low visible light region. It is commonly used in the medical field, technology-based clean rooms, and for UV curing processes. Amber 81 also can be helpful to patients with XLP (X-Linked Protoporphyrin) and EPP (Erythropoietic Protoporphyrin).*

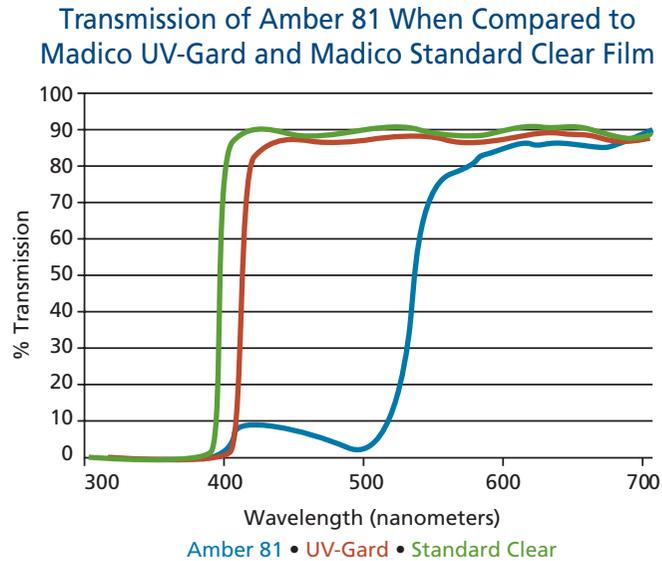
Ultraviolet light starts to transition to visible light around 380nm and a well-designed clear or lightly tinted window film will block more than 99% of UV energy up until 380nm. However, there are medical and clean room applications that require additional blocking from 380nm to 500nm, where UV and visible light are both present. Amber 81 provides excellent blocking throughout the 400nm range, with transmission below 10% all the way up to and past 500nm. Where this type of blocking is required, the film is applied to all sources of light such as windows, fluorescent lighting and other artificial sources of light within the environment. Since Amber 81 is filtering visible light below 500nm, only amber visible light is transmitted.

**Before using any product to address health issues, a medical professional should be contacted to ensure that the product will in fact block the UV radiation necessary.*



Tailored Solutions for Unique Challenges

The graph below shows the transmission of Madico's Amber 81, UV Gard, and a standard clear film through the UV and visible light regions.



Amber 81 Benefits:

- Rejects more than 99% of UV rays up to 380nm
- Significantly reduces UV and visible light between 380nm and 500nm
- Increased protection for UV-sensitive areas, materials, and people*
- Can be installed on light fixtures
- Blocks stray light past 500nm
- Preserves sensitive and valuable materials

Common Applications:

- Operating rooms
- Research labs
- Clean room manufacturing
- Pharmaceutical packaging
- Food processing plants
- UV curing environments



Manufactured by Madico

When you purchase Madico film, you can rest assured that you have selected a high quality and extensively tested product. Headquartered in the Tampa Bay region of Florida, Madico manufactures and distributes high performance window films for automotive, architectural, and safety and security applications through nine company-owned distribution centers in North America as well as an extensive international distribution network.