

April 13, 2009  
Nippon Electric Glass Co., Ltd.

## **Nippon Electric Glass Develops Highly Efficient UV-Blocking Coated Glass for Use in Store Lighting**

Nippon Electric Glass Co., Ltd. (head office: Otsu, Shiga, Japan; President: Yuzo Izutsu) has successfully developed highly efficient UV (Ultraviolet)-blocking coated glass that can be utilized in large sizes. The glass is expected to be used for lighting in locations such as clothing stores. During the manufacturing process, glass is coated with special multilayer film. By placing this coated glass in front of a light source, it is possible to block UV light effectively.

Since 2003, Nippon Electric Glass (NEG) has been conducting the development, manufacture, and sale of various kinds of special multilayer films created using a sputtering technique. NEG has now succeeded in developing a product based on this technique. The multilayer film can be used to form UV-blocking coated glass in sizes up to 600 x 400 mm, which is the largest\* size available in the industry.

\*Based on NEG study

### <Features>

#### ■ Application

Lights used in stores such as high-pressure mercury lamps emit not only visible light but also large amounts of UV light. When exposed to high-intensity light for a prolonged period, the colors of clothes will fade or discoloration will take place. It is possible to block UV light effectively without changing the transmitted colors of visible light by placing NEG's highly efficient coated glass in front of light sources such as mercury lamps.

#### ■ Thermal resistance

The coated glass does not experience any deterioration in multilayer film, and it maintains its optical properties even at the ambient temperature of 500°C.

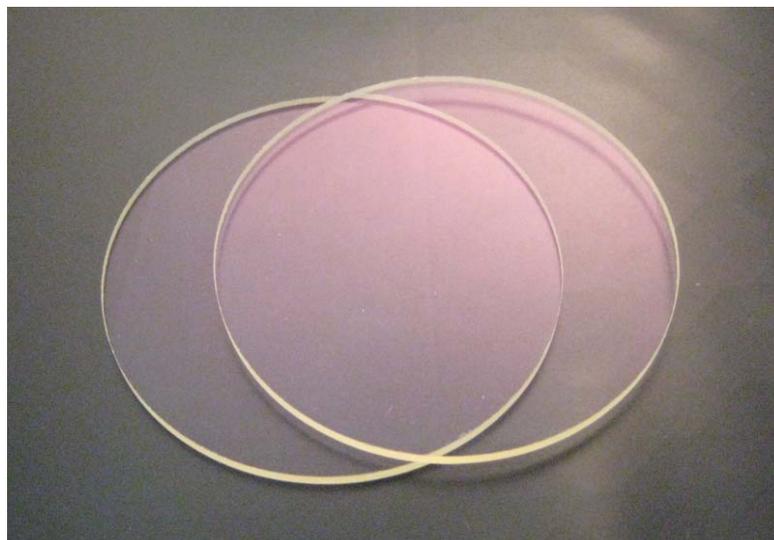
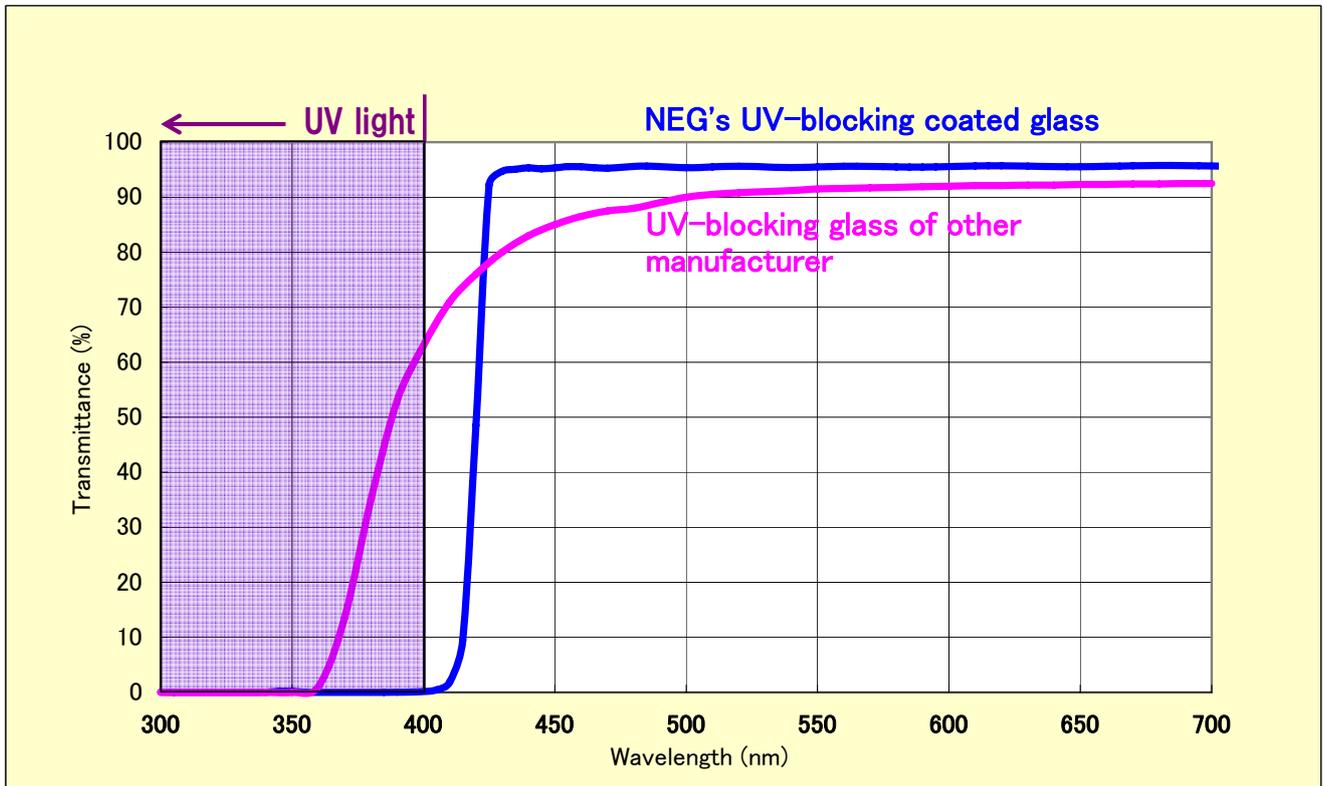
#### ■ Versatility (ability to meet specific needs)

The substrate glass below the multilayer film can be chosen freely in line with intended use, usage environment, and other requirements.

The UV-blocking coated glass will be exhibited at the NEG booth at the 1st LED/OLED Lighting Technology Expo (LIGHTING JAPAN), which will be held at Tokyo Big Sight from April 15 to 17, 2009.

【REFERENCE MATERIAL】

Comparison of Transmittance of UV-Blocking Glass



UV-blocking coated glass