

Nippon Electric Glass (NEG) has started mass-producing specialty glass for chemical strengthening, which is used for cover glass of smart phones and mobile devices

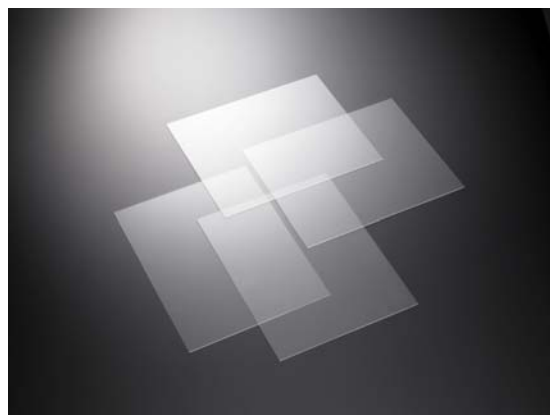
Nippon Electric Glass Co., Ltd. (Head Office: Otsu, Shiga; President: Masayuki Arioka) has recently started mass-producing **CX-01™**, which is specialty glass for chemical strengthening, which is used for cover glass of mobile devices, such as smart phones and tablet personal computers. NEG uses the float process to mass-produce it, taking advantage of the glass-forming expertise it acquired through the production of substrates glass for plasma display panels, where the company uses the float process.

Mobile devices, whose demand is rapidly increasing, are mostly equipped with a touch panel on the display. The use of a touch panel has made the devices easier to handle. On the other hand, the touch panel is susceptible to scratch marks during operation and may be damaged if the device drops down. To prevent these problems, crack-resistant strengthened glass is used as cover glass. Chemically strengthened soda-lime glass used to be widely used for this application. Recently, however, stronger, scratch-resistant chemically strengthened glass, formulated specifically for this use, is common. With the growth of the mobile-device market, the demand for such glass has been rapidly increasing.

NEG developed **CX-01™**, which is specialty glass for chemical strengthening which is used for touch-panel cover glass. It is equivalent to preceding products in performance and has optimal characteristics for cover glass. We have been shipping samples since last year. Responding to the recent growth of the demand for cover glass, NEG have started mass-producing **CX-01™** using the float process, which enables efficient mass production.

The **CX-01™** is also a green product that does not include environmentally harmful substances, such as arsenic, antimony, or lead.

NEG intends to increase the supply of the **CX-01™** in response to the growing demand for mobile-phone cover glass, and plans to apply the production system to the manufacture of glass for larger panels in the future.



Specialty glass for chemical strengthening **CX-01™**