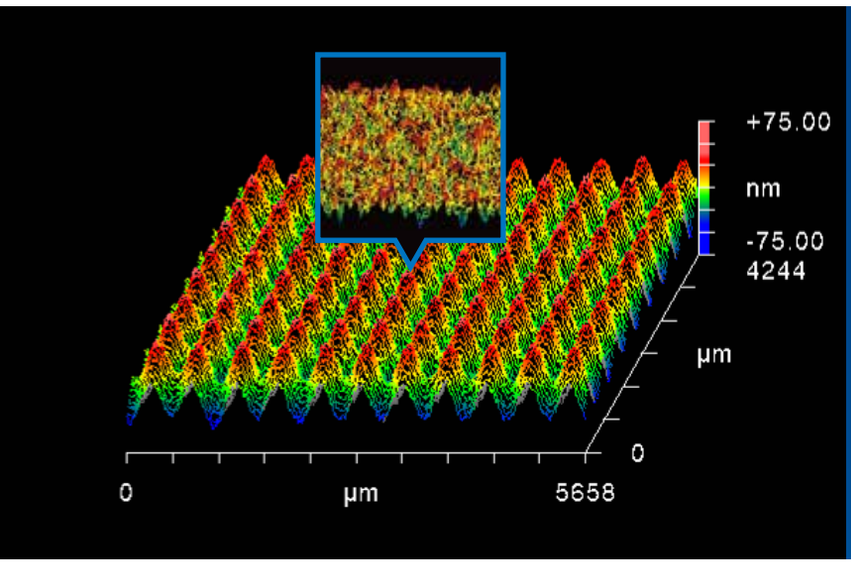
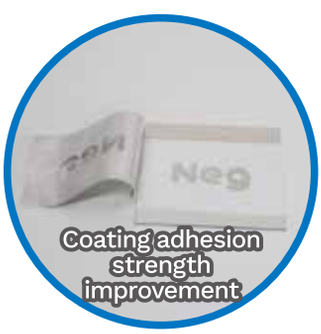
Reference exhibit

Nano-Texturing Technology

Nippon Electric Glass



Innovative surface processing technology can induce the nanometer-sized texture on the glass surfaces.
Consequently, this technology can be expected to be used in various applications such as friction control, while maintaining the transparency of glass.

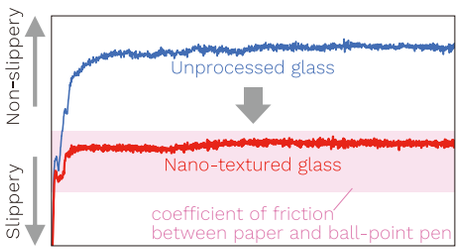


Various Applications

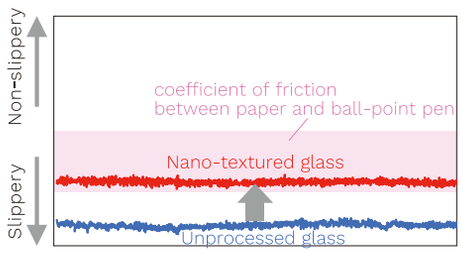
Writing/touching feelings improvement

Moderate sliding feeling for various pen tips can be achieved. As a result, writing/touching experience could be improved.

Elastomer tip

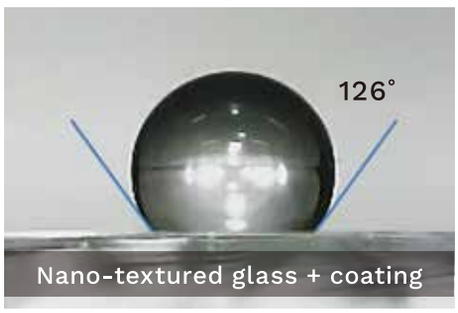


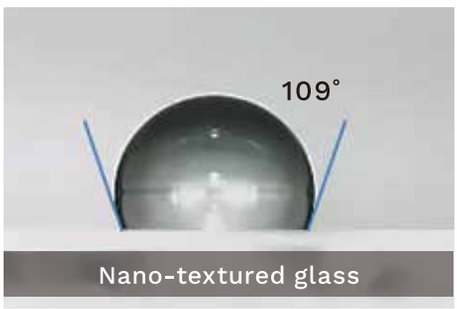
Polyacetal tip

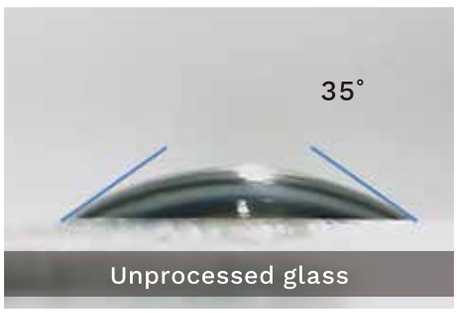


Wettability control

Water repellency can be improved.



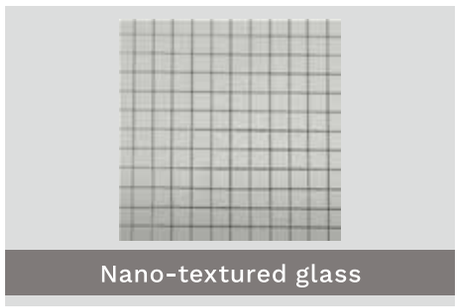




Coating adhesion strength improvement

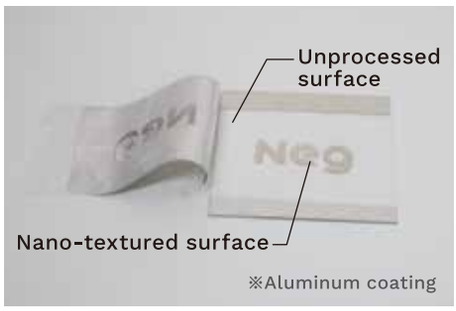
Coating adhesion strength can be improved, which is applicable to various coatings such as metal coating.

Classification of adhesion test(ISO2409) Good 0・1・2・3・4・5 Bad



Adhesion test result (cross-cut test)
Classification: 0

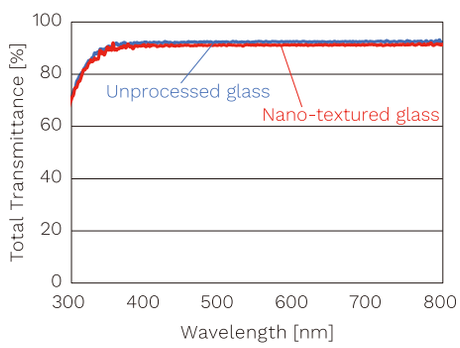
Adhesion test result (cross-cut test)
Classification: 4



Light scattering control

By adjusting surface roughness, optical property can be controlled.

High transparency glass type



Anti-glare glass type

※The data indicated herein is representative values and not guaranteed values.