

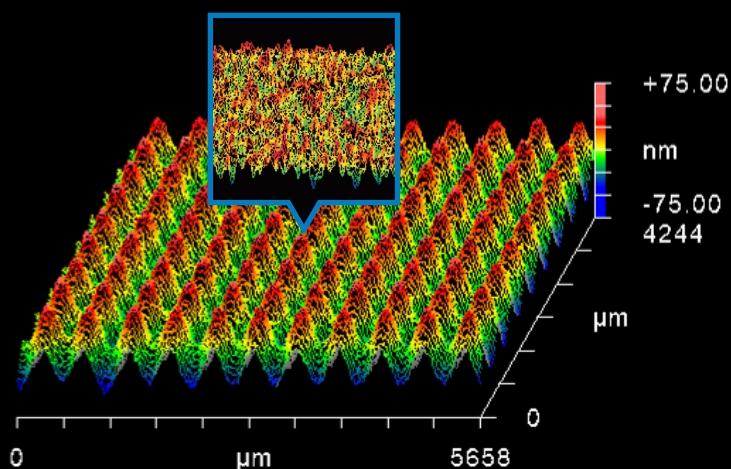


nanoWave™

Nano-texturing Technology

Neg

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

Coating adhesion strength improvement

Writing feelings improvement

Wettability control

Reflection reduction

Touching feelings improvement

Transparent screen



nanoWave™

Nano-texturing Technology

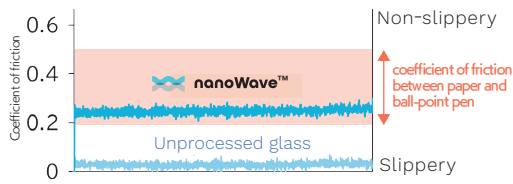


GLASS FOR FUTURE
Nippon Electric Glass

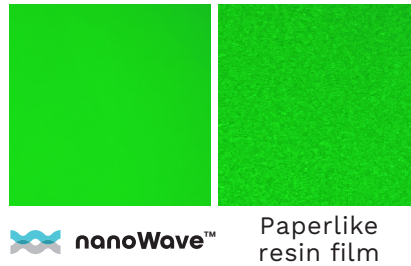
Writing/touching feelings improvement

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

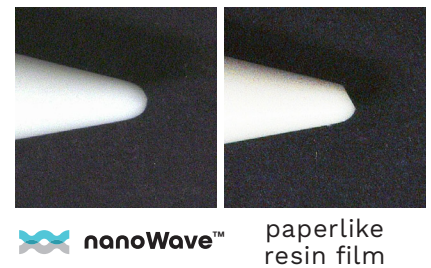
Friction characteristics



Low sparkle

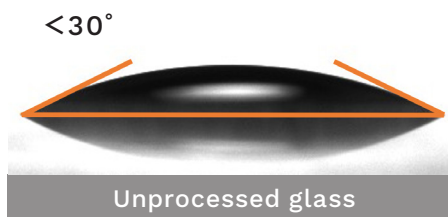
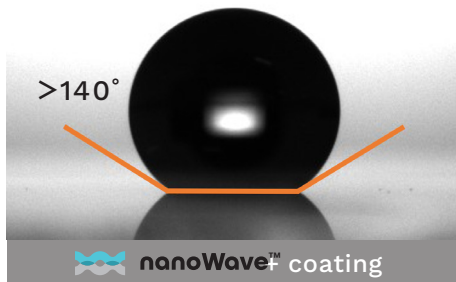


Low abrasion (Apple Pencil®)



Wettability control

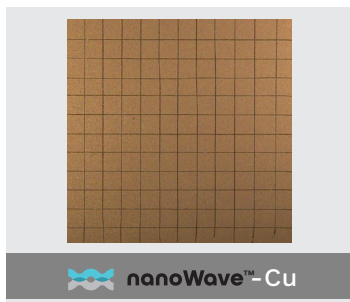
Water repellency can be improved.



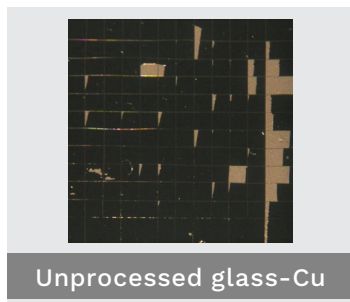
Coating adhesion strength improvement

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

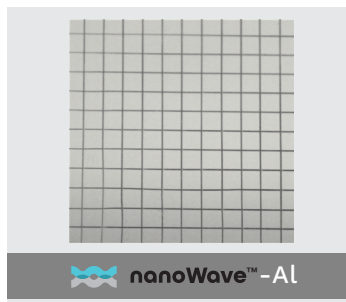
Classification of adhesion test (ISO2409) Good 0 • 1 • 2 • 3 • 4 • 5 Bad



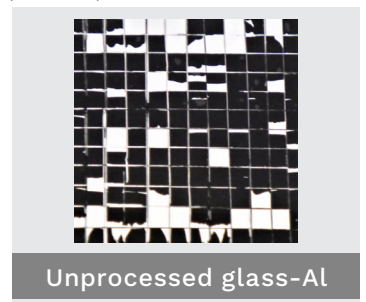
Adhesion test result
(cross-cut test)
Classification: 0



Adhesion test result
(cross-cut test)
Classification: 4 ~ 5



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

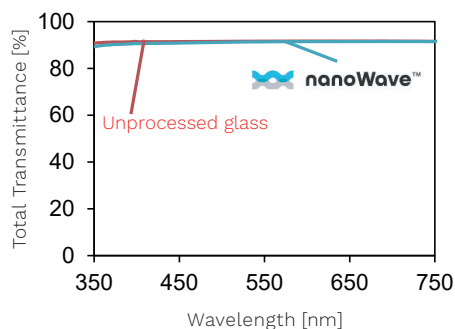


Adhesion test result
(cross-cut test)
Classification: 4 ~ 5

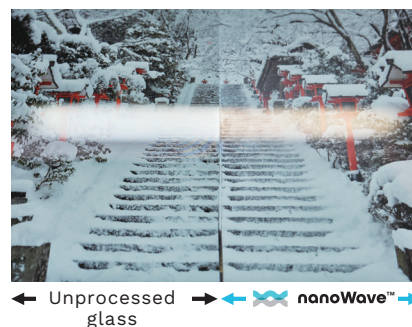
Light scattering control

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.

※1 Apple Pencil is a registered trademark or trademark of Apple Inc. in the United States and other countries.