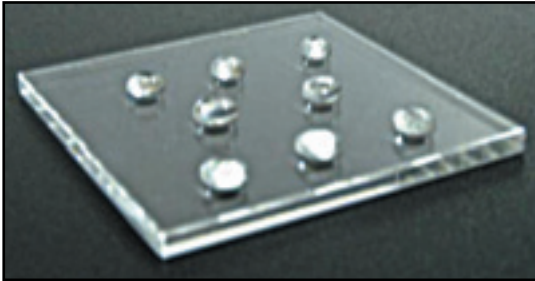


QUARTZ GLASS

■ Specially processed “water-repelling/oil-repelling” quartz glass



What is “water-repelling/oil-repelling” quartz glass?

It is a quartz glass made by coating quartz glass with transparent fluorine to make the surface water-repellent, thereby increasing the water-repelling, oil-repelling, and antifouling effects. The very thin fluorine coating is less than 1 μ m in thickness and is chemically bonded with the surface of quartz glass. It is a highly durable, heat-resistant coating. It is confirmed that the transparent coating will not lose the optical characteristics (ultraviolet and infrared transmissivity) of quartz glass, not lowering the transmissivity.

■ Features of “water-repelling/oil-repelling” quartz glass

Properties	Features
Water-repellence/oil repellence	The water-repelling, oil-repelling, and antifouling effects are superior to those of non-coated quartz glass.
Transparency	The ultraviolet and infrared transmissivity almost equal to that of non-coated quartz glass is maintained.
Durability/heat-resistance	Since the fluorine coating material is chemically bonded with the surface of quartz glass, a highly heat-resistant coating with high durability is maintained.
High-precision processing	The fluorine coating that is as thin as 1 μ m permits the use in places where precision is required.

The “water-repelling/oil-repelling” quartz glass is made through the technical cooperation with DuPont.