

# YOROI

Olam® Glass Coating

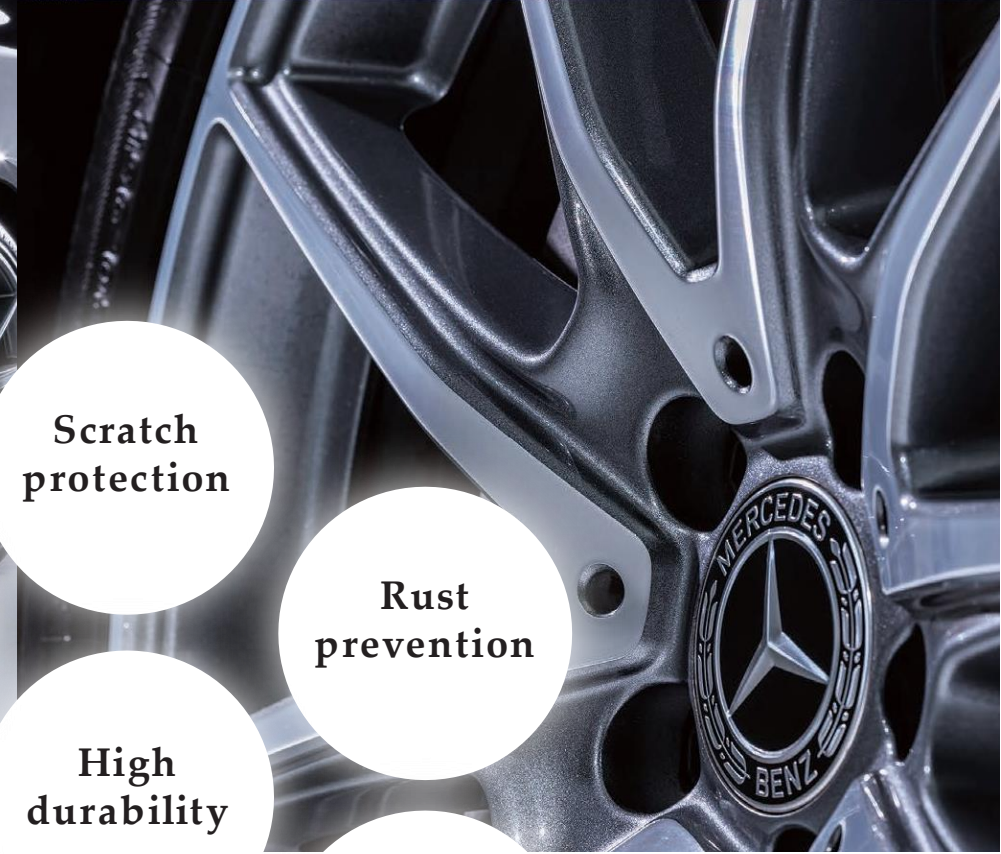


Connect Co., Ltd.

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Top-quality glass coating will fortify your business like impenetrable armor.



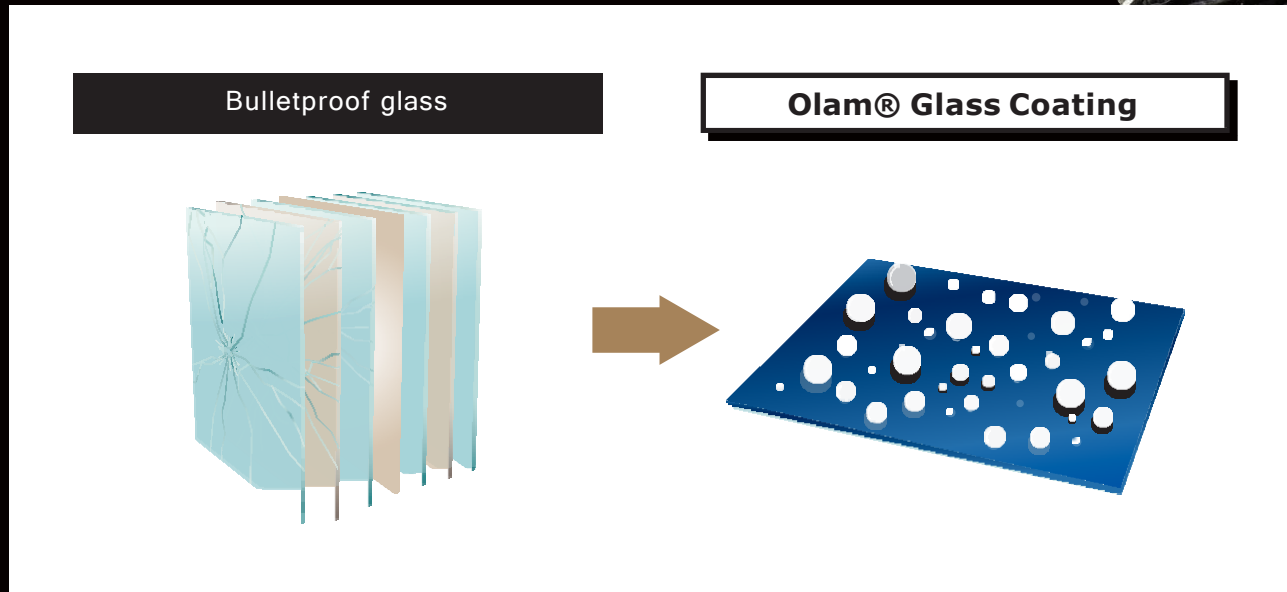
- Antifouling
- Scratch protection
- High durability
- Rust prevention
- Beautiful exterior
- Harmless
- Clarity

The only patented, highest-quality glass coating ever made available - Its' impact beyond imagination will make any business solid and strong. Olam® Glass Coating is exactly **YORO!** armor.

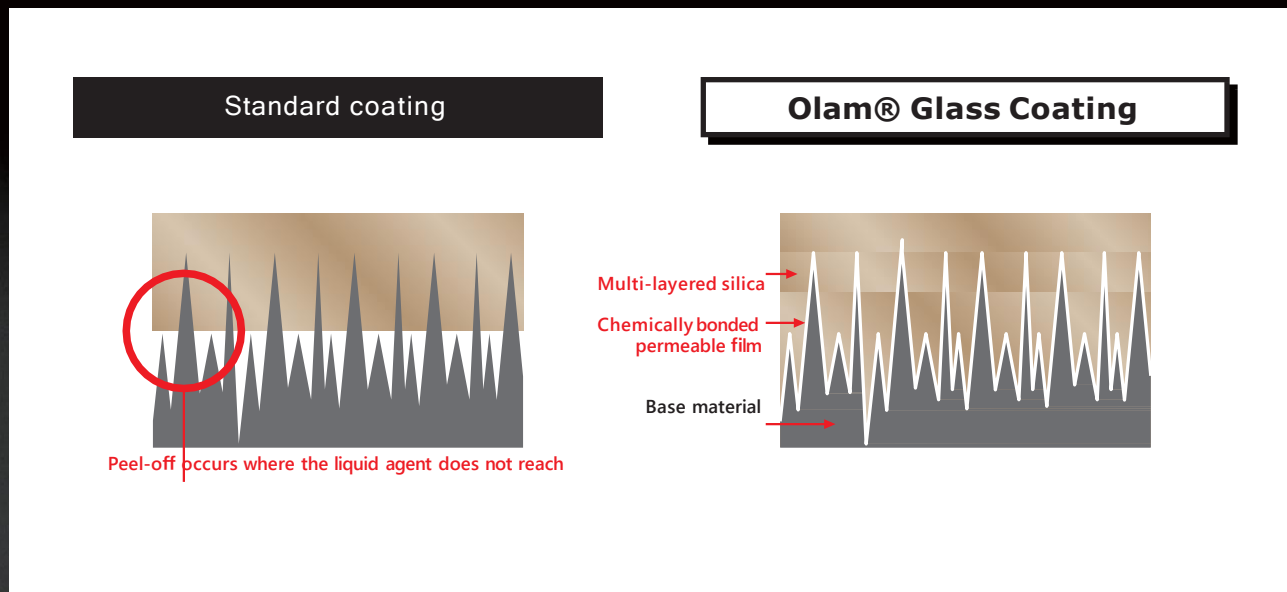




YOROI was created by taking bulletproof glass technology to the next level.



Bulletproof glass is solid and flexible by layering (or laminating) glass material. Olam® Glass Coating is produced by applying and curing a special glass coating solvent called 800 nano. When this coating is applied, it forms layers of a composite material made of silica, which is a key component of glass (SiO<sub>2</sub>: silicon dioxide). These layers give the glass its toughness and flexibility, even though the coating itself is quite thin.



With conventional coating products, the base surface may appear flat to the naked eye, but under an optical microscope, it may resemble needle points, making it difficult for fluid to adhere and therefore resulting in peeling. The ultra-fine particulate components of the inorganic solvent have a chemical reaction with moisture and can penetrate deep into the substrate.

YOROI has passed a number of performance tests with top level scores.

■ Performance Test Results (conducted at Tokyo Metropolitan Industrial Technology Research Institute)

Test items	Test Specifications	Assessment results
Pencil hardness	Pencil method: JIS K 5600	9H or higher
Impact resistance Dupont tester	500g 50cm	No cracks and peel-offs observed
Abrasion (abrasive brush)	1 kg x 200 times	No scratches observed
Accelerated weathering test	UV tester: at 60°C for 500 h	No discoloration, cracks, or peel-offs observed
Chemical resistance	Sulfuric acid: at 10% for 2 weeks	No abnormalities observed
	Alkali resistance test: at 5% for 24 h	No abnormalities observed
Heat resistance	Heating test: at 1000°C	No abnormalities observed
Elution test	Arsenic, lead, cadmium	No hazardous substances detected
Light transmittance	250~2500 nm	98% (glass transparency: 90%)
Film thickness	Approx. 1 micron	Applied once

[Cautions] \*Though the product is resistant to scratches, cracks, and impacts, there is no guarantee that scratches and cracks will never occur.

Olam® Glass Coating has recorded the highest values in various official tests. Its hardness is the top level, even higher than 9H. No abnormalities were observed even when subjected to heat of 1,000°C. No harmful substances were detected in elution tests.

YOROI the one and only patent in a sea of similar products.

There are more than 300 solvents used in glass coating products, but Olam® Glass Coating is the only one that has been patented. Experience the unmatched high standard of Olam® glass coating, the only one of its kind which has been internationally patented for this specific method of manufacturing development and surface application.





## YOROI has a high level of safety, making it suitable for a wide range of applications

Light, thin, strong, environmentally, physically, and socially friendly, weather resistant and durable, Olam® Glass Coating is a solvent that can be used for an extensive array of applications.



Walls, floors, lighting

Furniture

Metals / plating



Electric devices / accessories



Watches



Sinks/ kitchen areas



## YOROI can be applied to curved or soft materials such as rubber.

Olam® Glass Coating consists of thin and tough silica laminate films, and as such, it can be applied to shapes and materials that were previously impossible.



## YOROI is scratch and stain resistant and maintains the feel of the material and its texture. It prevents deterioration and preserves the beauty indefinitely.

Olam® Glass Coating is weather resistant, durable, and will not deteriorate. It blocks the sun's ultraviolet, infrared rays and dust adhesion that cause deterioration.



## YOROI is the preferred material which has been utilized by a number of corporations.

Olam® Glass Coating has been used by many well-known Japanese companies because of its high-quality standards, ease of application and maintenance, and reliable warranty system. This, coupled with its ability to be applied in any shape or form, makes Olam® a versatile and trustworthy choice

