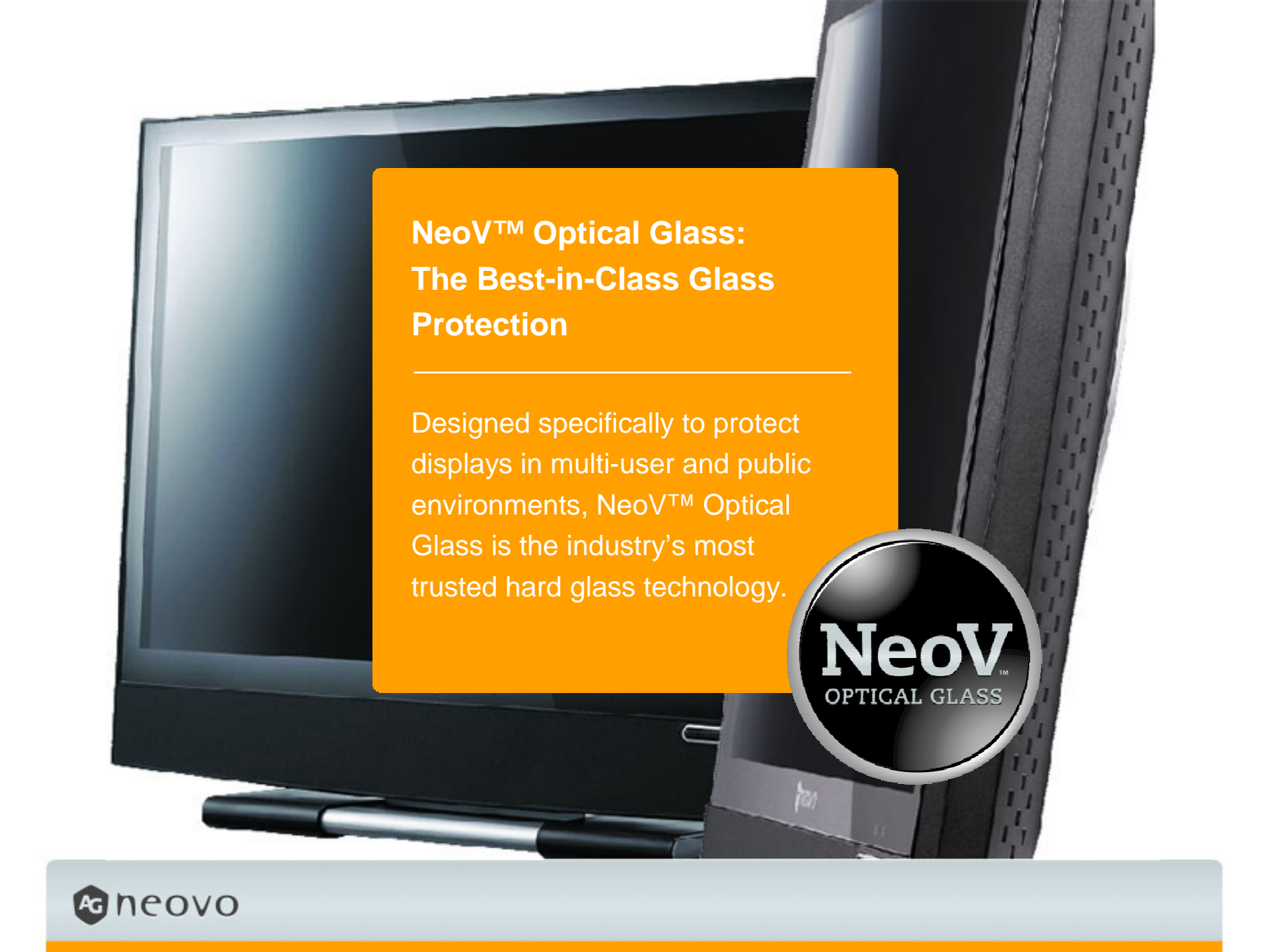


NeoV™ Optical Glass

A Visual Innovation



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NeoV™ Optical Glass: The Best-in-Class Glass Protection

Designed specifically to protect displays in multi-user and public environments, NeoV™ Optical Glass is the industry's most trusted hard glass technology.



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NeoV™ Optical Glass Introduction



NeoV™ Optical Glass

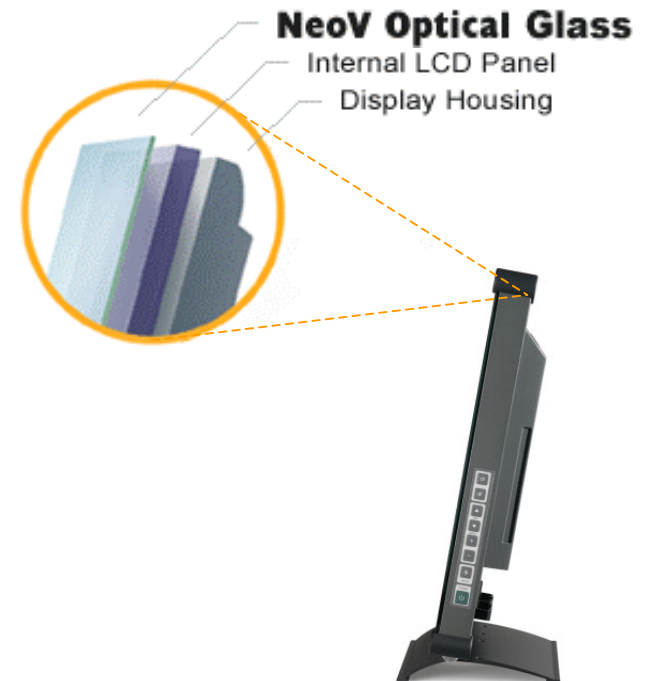
- NeoV™ Optical Glass is a cutting edge technology that is designed into the front bezel of the AG Neovo display, to enhance the display quality and viewing comfort for the user.

Designed for Performance

- The proprietary multi-coated glass delivers vibrant rich colours and crystal clear image definition for ultimate clarity and reduced eye fatigue.

Built to Last

- A conventional LCD panel is soft and can be easily damaged. The hardened glass exterior of NeoV™ Optical Glass is highly durable and scratch resistant. It protects the delicate internal LCD panel from physical damage.

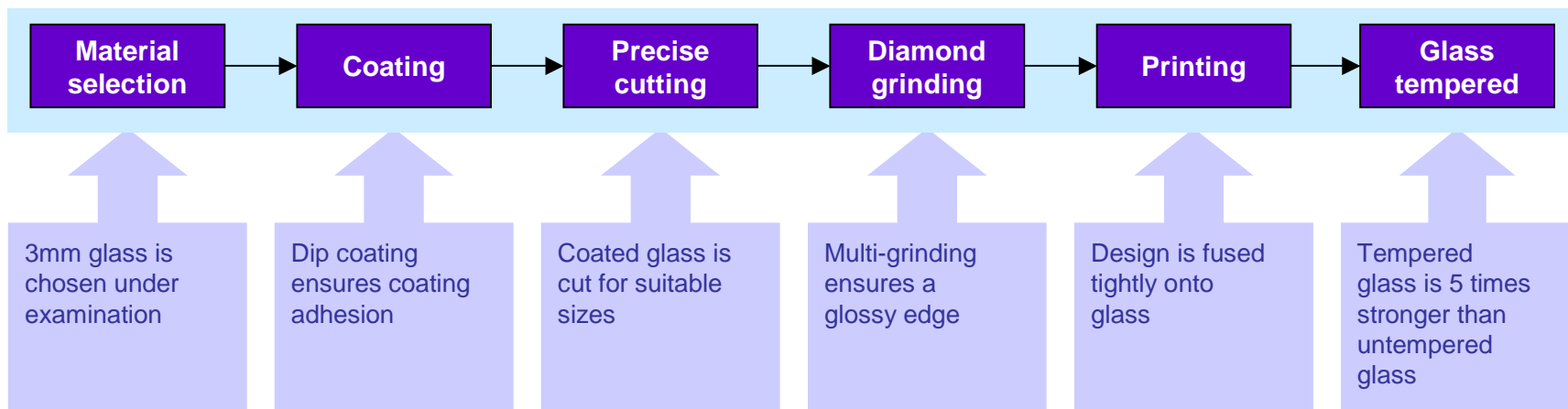




Stringent Manufacturing Process (Page 1)

A stringent manufacturing process that ensures the highest quality and performance

- NeoV™ Optical Glass adheres to a stringent manufacturing process that ensures quality achievement and outstanding performance.
- Each step requires glass inspection to examine any bubbles, stone scratches, or any other flaws that could potentially reduce or damage the quality. To assure that the high level of quality is maintained, at the final stage, the finished product is checked again cautiously.





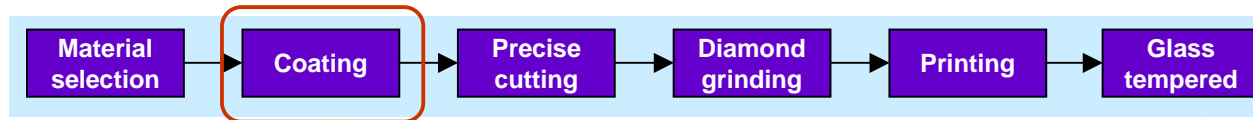
Coating technology

- NeoV™ Optical Glass adopts multi-layer dip coating which requires 550°C temperature to enhance coating adhesion.

Brand	Coating Type	Characteristics	Anti-acid & Anti-alkali Test	Coating Hardness
NeoV	Dip Coating	<ul style="list-style-type: none"> • Always two-sided coating • Requires 550°C force-drying • Melted particles make a smoother surface • Coating materials are able to fill up the glass pores and form better adhesion 	Anti-acid: A level Anti-alkali: B level	9H
Competitors	Evaporation	<ul style="list-style-type: none"> • Allows single-sided coating • 250°C~350°C 	Anti-acid: B level Anti-alkali: None	6H
Competitors	Sputtering	<ul style="list-style-type: none"> • Allows single-sided coating • 190°C~350°C 	Anti-acid: B level Anti-alkali: None	5H

A level: Coatings representing the same optical spectrum after 24-hour immersion reach A level.

B level: Coatings representing the same optical spectrum after 6-hour immersion reach B level.



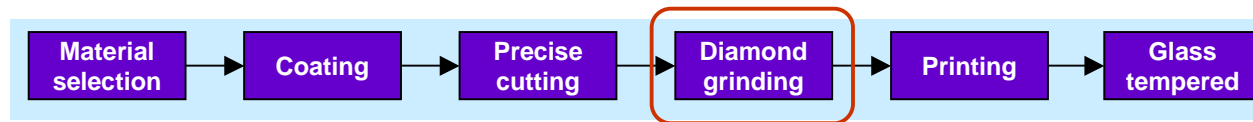
Stringent Manufacturing Process (Page 3)



Grinding technology

- A diamond-abrasive grinds sharp edges off the glass and avoids any sharpness or roughness.
- NeoV™ Optical Glass requires not only single grinding, but multiply grinding to reach better quality and present a glossy edge.

Brand	Grinding grade	Safety	Surface quality
NeoV	A grade	V	Glossy
Competitors	B grade	V	Opaque
Competitors	C grade	X	X





Quality Assurance

- After a stringent manufacturing process, several tests are carried out to ensure that NeoV™ Optical Glass reaches the highest standard and presents a superior performance.

Mechanical Test:

Abrasion Resistance Test	CNS 130033	Above B level
Tape Test	ASTM D3359-97	No peeling off
Pencil Hardness Test	ASTM D3396-92a	9H

Chemical Test:

Anti-acid Test	CNS 130033	A level
Anti-alkali Test	CNS 130033	B level

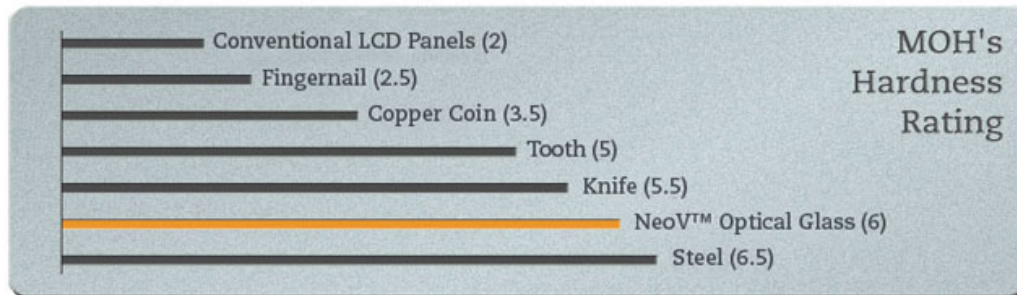


- Scratch proof
- Impact resistant
- Anti-reflection
- High transmittance
- Easy to clean
- Clearer images
- Improved eye comfort
- Product durability



Scratch proof

- NeoV™ Optical Glass has been through a stringent manufacturing process that hardens the glass for added strength and quality.
- As with a typical LCD display, the panel hardness only reaches 2 (out of 10) on the MOH's Hardness Scale*, so the panel can be easily scratched or damaged. With NeoV™ Optical Glass, the glass attains a measurement of 6 on the hardness scale.
- This hardness will protect the panel from dirt, repetitive touching or other devices that can damage the LCD panel's fragile membrane.



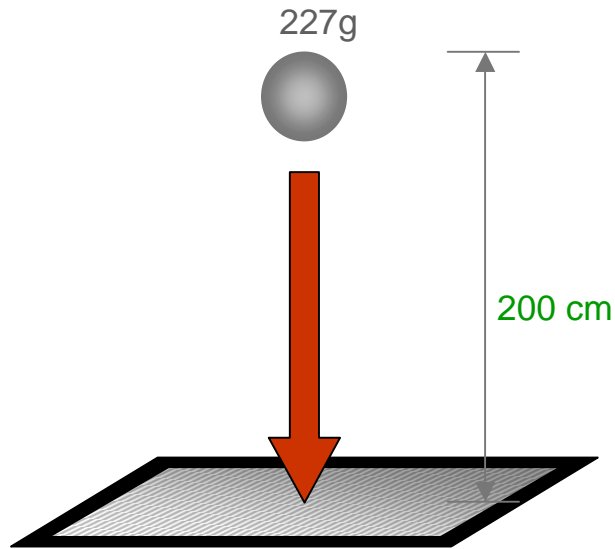
*Note: MOH's Hardness Scale is the geology industry standard used to measure the hardness of minerals

NeoV™ Optical Glass Advantage (Page 3)

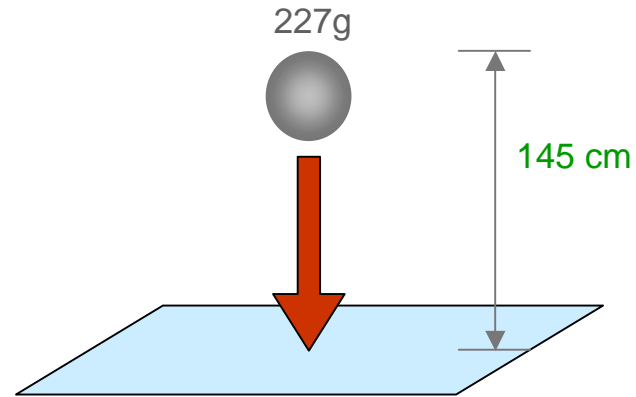


Impact resistant

- To ensure product safety, strength test is conducted to measure a product's endurance.
- Normal glass is tested with a 227g steel ball falling from a height of 145cm.
- NeoV™ Optical Glass exceeds the general strength standard and is able to withstand a 227g object falling from a height of 200cm.



NeoV™ Optical Glass



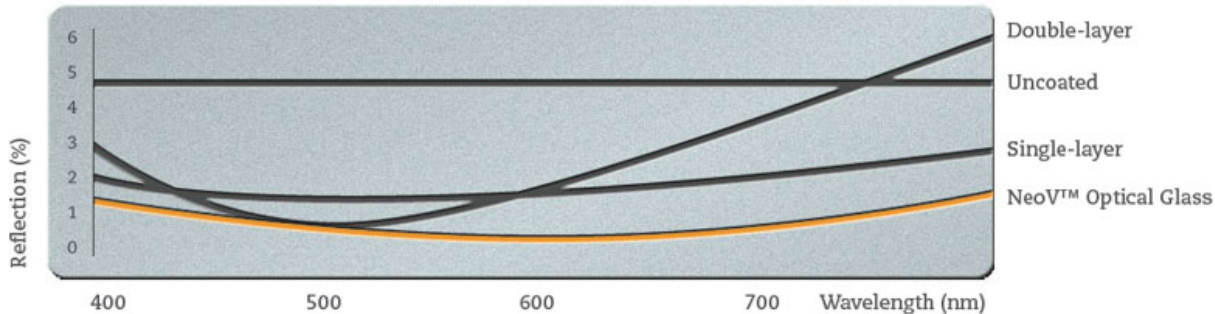
Normal Glass

NeoV™ Optical Glass Advantage (Page 4)



Anti-reflection

- Normal glass produces reflection up to 4.1%, which creates eye discomfort, irritation and headache.
- NeoV™ Optical Glass possesses multi-layer coating, being able to decrease the reflection from 4.1% to 0.93%, which results in a 77.3% visual improvement.

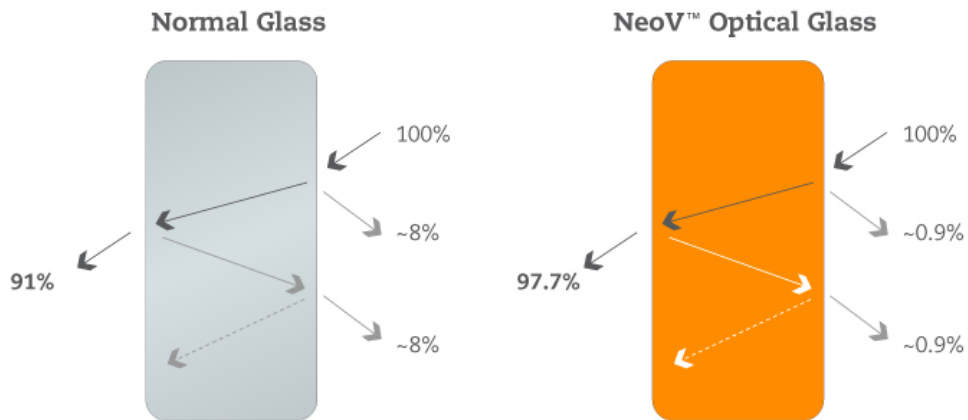


Note: Tested with Otsuka Electronics MCPD-3000 (380-780 nm)



High transmittance

- A typical glass exhibits a 91% transmittance.
- The transmittance of NeoV™ Optical Glass can greatly reach 97.7%, which provides a nearly perfect brightness for the panel.



Note: Tested with Hitachi U-4001 (380-780 nm)



Easy to clean

- NeoV™ Optical Glass has passed the CNS (13033) A-level acid test and B-level alkali test.
- NeoV™ Optical Glass can be cleaned easily with water, alcohol or common cleaning solution without losing its optical characteristics.

	NeoV™ Coating	Normal Coating
Anti-acid	Yes	No
	NeoV™ Optical Glass is able to maintain the same optical spectrum after immersed in acid liquid for 24 hours consecutively	Coating will be worn out while immersed in acid liquid, which results in the damage of optical spectrum
Anti-alkali	Yes	No
	NeoV™ Optical Glass is able to maintain the same optical spectrum after immersed in alkali liquid for 6 hours consecutively	Coating will be worn out while immersed in alkali liquid, which results in the damage of optical spectrum

NeoV™ Optical Glass Advantage (Page 7)



Clearer images

- Through NeoV™ Optical Glass , the colour appears more softened and graceful; the picture looks more solid and clearer.

Improved eye comfort

- The softened colour and clearer images make it more comfortable for extended reading periods.



With NeoV™ Optical Glass



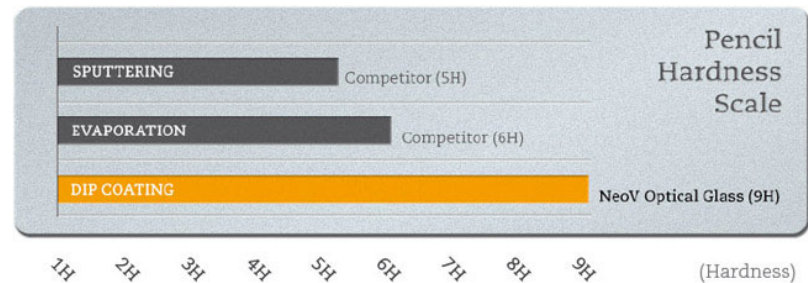
Normal panel



Product durability

- The resilience for NeoV's coating has reached a measurement of 9H on the Pencil Hardness Scale*. A score of 9H ensures that the coating is highly resistive to scratches and repetitive touching.
- NeoV's coating has also passed Abrasion Resistance Testing (CNS 130033), which guarantees a durable and long product life.

Brand	Coating Hardness
NeoV	9H
Competitors	8H



* Note: Pencil Hardness Scale is the industry standard used to measure the durability of paints and semi-soft coatings

Competitive Comparison



NeoV™ Optical Glass v.s. Competitors

- In the comparison table below, it can be analysed that NeoV™ Optical Glass significantly enhances display performance and viewing quality and provides extraordinary glass quality.

Characteristics/ Brand	NeoV	Competitors (with conventional glass/coating)	Competitors (without glass)
Edge quality	Glossy	Opaque	--
Thickness	3mm	1.8mm~2mm	--
Scratch proof	6	6	2
Impact proof	227g/200cm	227g/145cm	None
Anti-reflection	0.93% (reflection rate)	4.1% (reflection rate)	--
Transmittance	97.7%	91%	--
Anti-acid	A level	B level	None
Anti-alkali	B level	None	None
Coating hardness	9H	8H	3H



Summary

Cutting edge visual technology for enhanced image quality and panel protection

- Specially formulated, hardened optical glass that dramatically enhances image quality and provides panel protection from various damage, including scratches and repetitive touching.
- Multi-layer coating reduces the reflection from 4.1% to 0.93% and ensures the clarity of the image and text.
- These scratch- and smudge-proof layers provide good protection against chemical changes in the glass.
- High 97.7% transmittance to maximise the display performance.
- Optical filter allows better eye comfort during extensive use and reading.
- Anti-acid/anti-alkali coating treatment is easy to clean and enables a sustained product life.
- Stringent quality assurance provides a safer and more cautious protection.

Media Recognition



NeoV™ Optical Glass receives “Best Innovation” award from PC Magazine



“Imposing, attractive model shows its stuff through an extra-hard, easy-to-clean optical filter glass.”

Top 10, PC World, January 2005, USA

“Outstanding choice! Excellent image quality is backed by a very robust optical filter that will withstand everything your workplace can throw at it - almost literally.”

Best Buy, PC World, April 2005, Australia

“Elegant design, perfect image performance, and exclusive NeoV glass for panel protection, anti-reflection, and high transmittance.”

Editor’s Choice, PC Magazine, December 2003, Taiwan

The NeoV Product Line

A comprehensive lineup to accommodate various demands

- NeoV™ Optical Glass is now available on X-Series, U-Series, E-Series and P-Series.
- NeoV™ Optical Glass is also applied to specialised models: RX-Series, SX-Series, ER-Series and DR-Series.

General Models



X-Series



U-Series



E-Series



P-Series

Specialised Models



RX-Series



SX-Series



ER-Series



DR-Series



Thank You

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