

OnScreen®

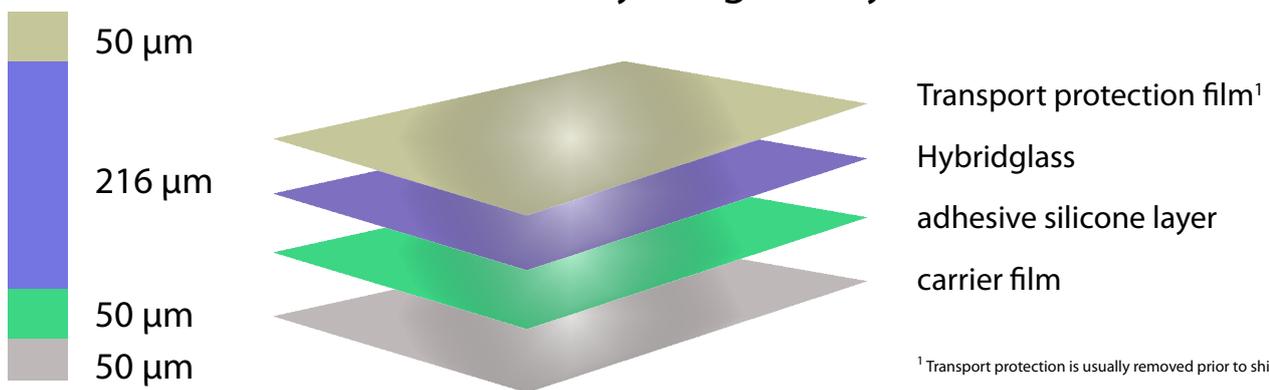
Datasheet Hybridglass

General information

OnScreen® Hybridglass is the perfect combination of the properties of hard glass and the flexibility of plastic film. The result is a very flexible bendable surface protection system that has a glass-hard surface hardness, yet is elastic and flexible enough not to shatter like glass.

Equipped with a thin silicone adhesive layer, OnScreen® hybrid glass adheres perfectly to all smooth surfaces made of plastic, glass or metal without leaving any residue during subsequent removal. Touch-sensitive surfaces are effectively protected from scratches and mechanical damage.

OnScreen® Hybridglass layers



material properties	CHG Hybridglass ultra-clear	MHG Hybridglass anti-glare
Material	Hybrid laminated system made of special glass coating and robust plastic film	Hybrid laminated system made of special glass coating and robust plastic film
Surface hardness	7H, according to ISO 15184	7H, according ISO 15184
Material color	transparent, ultra-clear	anti-glare coating, matte
Transmission	94% ± 3%, according to ASTM D 1003	90% ± 3%, according to ASTM D 1003
Haze	<2%, according to ASTM D 1003	4%, according to ASTM D 1003

material properties	CHG Hybridglass ultra-clear	MHG Hybridglass anti-glare
Adhesion force (surface adhesion)	0.02 Ncm ⁻¹ ± 0.0078 Ncm ⁻¹	0.02 Ncm ⁻¹ ± 0.0078 Ncm ⁻¹
Thickness of Hybridglass + hard coating	216 ± 10 µm	216 ± 10 µm
Thickness of silicone layer	50 ± 2 µm	50 ± 2 µm
Thickness of PET base film	50 ± 2 µm	50 ± 2 µm
Thermal resistance	-30 °C bis +140 °C	-30 °C bis +140 °C
Very good chemical resistance ¹	●	●
Resistant ^{1,2} against many alcohols and disinfectants, grease and oils	●	●
Resistant ² against acids and bases	●	●
Dust and grease repellent (anti-fingerprint)	○	●
Self-adhesive and residue-free removable	●	●
Easy assembly without tools	●	●
Very high adhesion to glass, many plastics and bare metals	●	●
Offers an optimal writing feel on touchscreen	●	●
RoHS and REACH certified	●	●

1 test report is available and can be requested or downloaded at <https://www.neoxum.de/download/>

2 tested with diluted acids and bases

- present
- not present

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