

OnScreen®

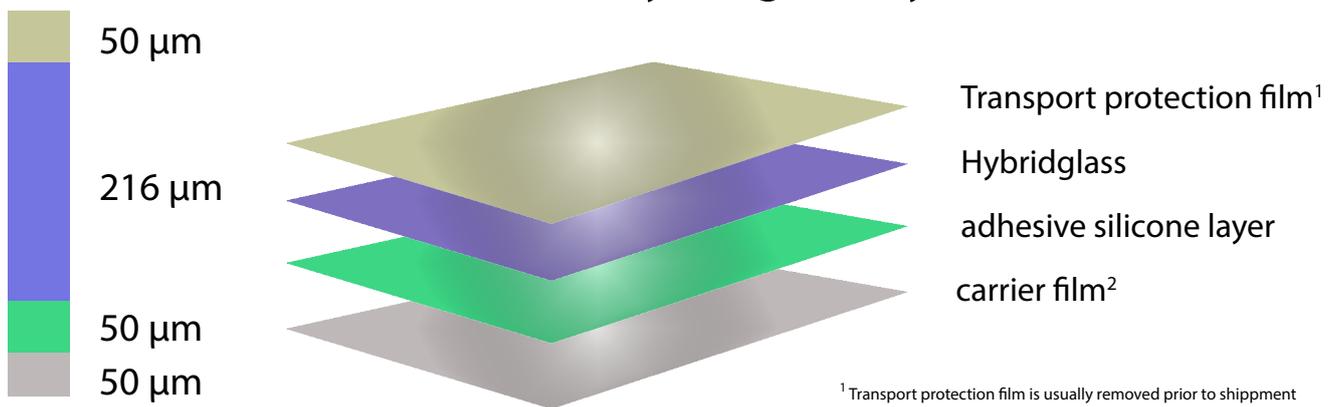
Datasheet Hybridglass

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



¹ Transport protection film is usually removed prior to shipment

² Carrier film is removed prior to surface application

| material properties | CHG Hybridglass ultra-clear | MHG Hybridglass anti-glare |
|---------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Material | Hybrid laminated system made of special glass coating and robust PET film | Hybrid laminated system made of special glass coating and robust PET film |
| Surface hardness | 9H, according to ISO 15184 | 9H, according to ISO 15184 |
| Material color | transparent, ultra-clear | anti-glare coating, matte |
| Transmission | 96% ± 2%, according to ASTM D 1003 | 91% ± 2%, 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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