

Corning® Gorilla® Glass SR+ is a glass composite designed specifically for wearables that combines the legendary toughness, optical clarity and touch sensitivity of Gorilla Glass with superior scratch resistance approaching that of luxury watch cover materials.

Product Information

Benefits

Significantly reduces visible scratches

Superior performance versus alternative luxury cover materials

- 70% better damage resistance, which helps prevent breakage from impact
- 5% better optical transmission, which can improve battery life
- 25% better front surface reflection, which improves outdoor readability

Applications

Corning® Gorilla® Glass SR+ is specifically designed for wearables

- Smart watches
- Luxury watches

Dimensions

Available thickness: 0.4 mm - 2.0 mm

Other thicknesses available on request

Environmental Stability

Gorilla Glass SR+ provides superior scratch resistance approaching ALCM, even after exposure to the following common everyday items:

- Sunscreen cream
- Salt water
- Temperature and humidity
- Thermal shock
- Boiling water

Performance

Gorilla Glass SR+ offers a unique combination of attributes not found in any other materials.

Attribute	Description	SR+ Performance	
Visible transmission	Photopic average 400 nm - 760 nm	~ 90%	✓
Reflectance 1st surface	Photopic average 400 nm - 760 nm	~ 10%	✓
Color (L, a, b) 1st surface Reflectance	5° - 60° D65 illuminate AOI:10°	-1.51 ≤ a* ≤ 0.27 -3.16 ≤ b* ≤ 0.79	✓

Table 1 - Gorilla Glass SR+ product performance.

CORNING

Contact your account representative for additional product specifications and availability.

email: gorillaglass@corning.com

Web: CorningGorillaGlass.com

© 2016 Corning Incorporated.

All rights reserved.

October2016_revA

Durability and Reliability

Gorilla Glass SR+ has superior scratch resistance approaching that of alternative luxury cover materials.



Figure 1 - Gorilla Glass SR+ scratch performance vs. other materials (150 grit garnet sandpaper scratch test, 1 cycle under 1, 2 and 4 kg loads)

*Alternative Luxury Cover Materials

Optical Performance

Gorilla Glass SR+ has 5% better transmission vs. luxury cover materials.

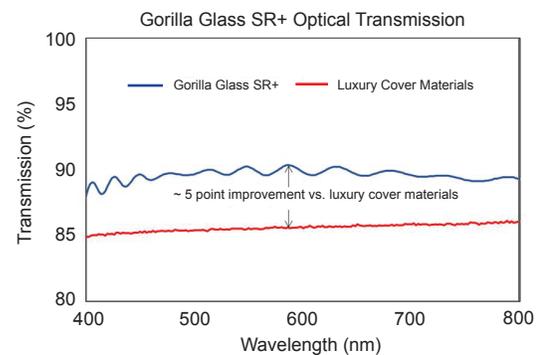


Figure 2 - Gorilla Glass SR+ transmission in the visible spectrum

Damage Resistance

Gorilla Glass SR+ has 70% better damage resistance vs. ALCM

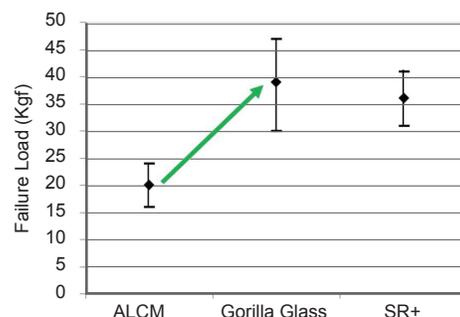


Figure 3 - Damage resistance was measured using the ring-on-ring technique after Corning's "tumble test"