

SCHOTT Borofloat® 33

Thin glass sheets



Tight Thickness Tolerance

Superior Transparency

Upgraded Surface Quality

SCHOTT
glass made of ideas

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We are proud to announce a further step towards satisfying our customers' highest quality demands. With the new and improved quality of Borofloat® you can optimize your own processes and enter new areas of high-tech applications.

Borofloat® 33 borosilicate glass is SCHOTT's globally recognized brand mark for high-quality & multi-functional float glass. Long years of experience and intensive research efforts in the Microfloat process have led to a significantly improved thin Borosilicate glass that can compete with the best of high-grade flat glasses.

Our new and improved floated Borosilicate glass is even more attractive for a higher number of applications, with a significantly enhanced technical performance in the lower thickness range. Among other technical improvements the new batch features a premium-grade surface quality, a very tight thickness tolerance, an extremely low level of defects and a superior transmittance. This is especially important for high-grade flat glass substrates that require excellent transparency together with superior flatness.

Larger formats are also available on demand.

SCHOTT Borofloat® 33 is an environmentally friendly product in accordance with the ROHS standard.

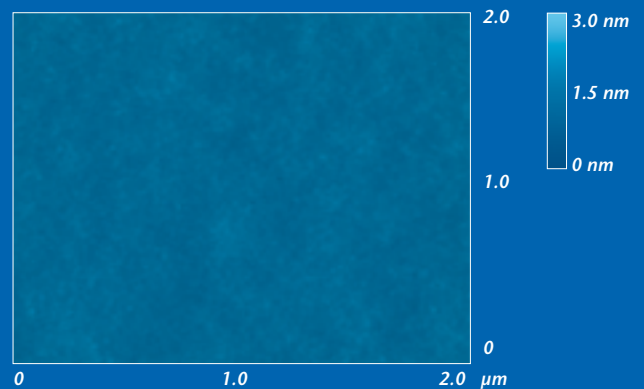
SCHOTT is DIN ISO 9001 certified.

Improved flatness features for sheet sizes of 1,150 x 850 mm

Upgraded technical parameters	Nominal thickness 0.7 mm	Nominal thickness 1.1 mm
thickness tolerance within one sheet	< 40 µm	< 50 µm
thickness variation between sheets	< 50 µm	< 50 µm
warp	< 0.05%	< 0.05%
waviness*	top < 150 nm bottom < 150 nm	top < 150 nm bottom < 150 nm

* The data have been determined by using a cut-off-filter 0.8 mm/ 8 mm and a Zeiss Surfcom 1400 measurement system. The sample size was 280 mm in width.

Determination of microroughness by using AFM technique



The Borofloat® 33 glass samples had fire polished surfaces and were us-cleaned prior to measurement. Effective surface area of measurement was 2 x 2µm. Both glass surfaces (tin and air side) of Borofloat® 33 display an average microroughness Ra between 0.1 and 0.5 nm.

Spectral Transmittance vs. Wavelength

