

[See all 4 Products in Family](#)

50 x 50mm, 1.1mm Thick, Uncoated, SCHOTT Xensation® Chemically Strengthened Window

See More by [SCHOTT Optical Components](#)



Stock #17-262 **20+ In Stock**

⊖ 1 ⊕ £28²⁰

ADD TO CART

Volume Pricing

Qty 1-5	£28.20 each
Qty 6-25	£22.40 each
Qty 26-99	£21.60 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Protective Window

Type:

Glass

Type of Window:

Physical & Mechanical Properties

45 x45	Clear Aperture CA (mm):
50.00 x50.00	Dimensions (mm):
1.10 Nominal	Thickness (mm):
50.00	Length (mm):
50.00	Width (mm):
Protective as needed	Bevel:
90	Clear Aperture (%):
Fine Ground	Edges:
0.21	Poisson's Ratio:
74	Young's Modulus (GPa):
639.00	Knoop Hardness (kg/mm ²):

Optical Properties

Uncoated	Coating:
SCHOTT Xensation®	Substrate: <input type="checkbox"/>
1.51	Index of Refraction (n _d):
80-50	Surface Quality:
380 - 840	Wavelength Range (nm):

Material Properties

2.48	Density (g/cm ³):
615	Transformation Temperature (°C):
8.8 (+20 to +300°C)	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

Product Details

- Highly Resistant to Breakage and Surface Scratches
- Microfloat Manufacturing Process
- Ideal for Capacitive Touch Technologies
- [TECHSPEO® Gorilla® Glass Windows](#) and [Dragontrail™ Chemically Strengthened Windows](#) Also Available

SCHOTT Xensation® Chemically Strengthened Windows provide hardened substrates with outstanding resistance to breakage and scratches. These windows feature a Knoop Hardness of 639, making them harder and tougher than soda lime float substrates. Typical compressive stress (CS) and depth of layer (DoL) values are evenly balanced to deliver outstanding mechanical reliability. SCHOTT Xensation® Chemically Strengthened Windows feature a high transmittance between 390 – 840nm and are widely used as protective cover glass for capacitive touch technologies display devices. Custom coatings and sizes are available for volume OEM applications.

Quote Your Size