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# 100 x 100mm, 1.1mm Thick, Uncoated, SCHOTT Xensation® Chemically Strengthened Window

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Stock #17-263 **5 In Stock**

⊖ 1 ⊕ €44.<sup>00</sup>

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Product Downloads

**General**

Type:  
Protective Window

Type of Window:  
Glass

## Physical & Mechanical Properties

90 x 90 **Clear Aperture CA (mm):**

100.00 x 100.00 **Dimensions (mm):**

1.10 Nominal **Thickness (mm):**

100.00 **Length (mm):**

100.00 **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<sup>2</sup>):**

## Optical Properties

Uncoated **Coating:**

SCHOTT Xensation® **Substrate:**

1.51 **Index of Refraction (n<sub>d</sub>):**

80-50 **Surface Quality:**

380 - 840 **Wavelength Range (nm):**

## Material Properties

2.48 **Density (g/cm<sup>3</sup>):**

615 **Transformation Temperature (°C):**

8.8 (+20 to +300°C) **Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°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
- [TECHSPEC® 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**