

[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 + ₹2,439

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹2,439 each |
| Qty 6-25 | ₹1,944 each |
| Qty 26-99 | ₹1,834 each |
| Need More? | Request Quote |

Product Downloads

General

Protective Window **Type:**

Physical & Mechanical Properties

45 x 45 **Clear Aperture CA (mm):**

| | |
|----------------------|--|
| 50.00 x 50.00 | 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/mm²): |

Optical Properties

| | |
|-------------------|---|
| Uncoated | Coating: |
| SCHOTT Xensation® | Substrate: □ |
| 1.51 | Index of Refraction (n_d): |
| 80-50 | Surface Quality: |
| 380 - 840 | Wavelength Range (nm): |

Material Properties

| | |
|---------------------|---|
| 2.48 | Density (g/cm³): |
| 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: |
| United States | Country of Origin: |
| Edmund Optics India Private Limited | Imported By: |

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