SHILD-C2 is high purity chemical vaper deposition (CVD)-Y2O3 coating. This product has far better halogen resistance than quartz glass or silicon.

**Features**

- Protect the substrate from reactive halogen gas
- Low-priced CVD Y₂O₃ film
- Excellent performance of step coverage

**Fluorinated gas-resistant test results**

Before test vs. After test for Quartz glass and SHILD-C2 coating.
Components for equipment such as plasma etching, plasma CVD and plasma ashing.

This product is used for plasma monitoring window and view port. Figure 1 shows the transmittance spectrum of coated CVD Yttria and quartz glass. This product has good halogen resistance with high transmittance in the ultraviolet and visible region.

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate material</td>
</tr>
<tr>
<td>Maximum size</td>
</tr>
<tr>
<td>Film thickness</td>
</tr>
<tr>
<td>Impurity content</td>
</tr>
</tbody>
</table>

Yttria coating on Quartz glass and Si.

Fig. 1 UV-Vis Transmittance spectrum. (a) Coated CVD Yttria (b) Quartz glass