

# High Efficiency Anti Reflection 3μm-5μm

UCS\_Si\_01

**Productnumber:** 2Si000001

This coating is the standard anti-reflection coating for use in the 3-5μm waveband. Combining high transmission, low reflection and moderate environmental resistance, this coating is best suited for internal surfaces (I.S.) applications.

This coating contains no radioactive material.



## Spectral - additional

|                        |              |                                                                      |
|------------------------|--------------|----------------------------------------------------------------------|
| Transmission (Average) | >98% 3μm-5μm | For a 1mm thick witness piece, coated both faces UCS_Si_01.          |
| Reflection (Average)   | <1% 3μm-5μm  | Per surface for a 1mm thick witness piece, coated one side UCS_Si_01 |
| Angle of Incidence     | 0°-20°       |                                                                      |

## Environmental Properties

|                 |                                         |
|-----------------|-----------------------------------------|
| Adhesion        | MIL-C-48497A, 08/09/1980, para 4.5.3.1  |
| Adhesion Remark | Tape Test                               |
| Humidity        | MIL-C-48497A, 08/09/1980, para 4.5.3.2  |
| Humidity Remark | 24Hrs, 49°C, 95-100% relative humidity  |
| Abrasion        | MIL-C-48497A, 08/09/1980, para 4.5.3.3  |
| Abrasion Remark | Moderate, 50 strokes with a cheesecloth |

## Sizes

Up to 275mm diameter

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