**Alflex™ (UV, A, B)**

**Versatile Aluminum Mirrors, Giving an Excellent Stable Performance**

The Alflex™ standard mirror coating has proven itself many times over due to its hardness and durability. Depending on the application it is generally insensitive to polarization and angle of incidence over a wide range. All types of Alflex™ are equipped with a protective layer.

**Benefits**
- Excellent environmental stability
- Low angle of incidence dependency
- Suited for application with temperature sensitive substrates

**Applications**
- Optical sensors and instruments
- All reflective optics at UV and VIS

**Technical Data**

**Alflex™ UV**
- R ≥ 88.0% abs. 200–250 nm
- R ≥ 85.0% avg. 200–700 nm
- AOI = 25°–45°

**Alflex™ A**
- R ≥ 88.0% abs. 500–600 nm
- R ≥ 85.0% avg. 400–700 nm
- AOI = 25°–45°

**MIL-M-13508 C**
Para. 4.4.4
Para. 4.4.5
Para. 4.4.6
Para. 4.4.7

**Alflex™ B**
- R ≥ 93.0% abs. 500–600 nm
- R ≥ 89.0% avg. 400–700 nm
- AOI = 25°–45°

**MIL-M-13508 C**
Para. 4.4.4
Para. 4.4.5
Para. 4.4.6
Para. 4.4.7

**Accuracy ±0.5%**

**Environmental Resistance and Durability**

The coatings withstand the tests on glass substrates

**Temperature (MIL-M-13508 C, para. 4.4.4)**
5 h each at –62°C and +71°C

**Hardness (MIL-M-13508 C, para. 4.4.5)**
50 strokes with cheesecloth

**Adherence (MIL-M-13508 C, para. 4.4.6)**
Scotch tape test

**Humidity (MIL-M-13508 C, para. 4.4.7)**
24 h at 49°C r.h. 95%

**Cleaning**

Alflex™ withstands immersion in acetone, ethanol, etc. As specified in MIL-C48497, para 4.5.4.2. It can be cleaned with a soft cotton cloth soaked in mild soapy water, ethanol or other non-abrasive substances.

**Angle of incidence**

Alternative AOI available on request

Alflex™ is applicable as well on customer supplied substrates