

**DATA SHEET****ENHANCED FRONT SURFACE MIRRORS****TYPE FH-94**

The specular reflectance for polarized light of each of the following standard products shall meet or exceed the listed minimum reflectance values.

Bv-2 WAVELENGTH	MINIMUM REFLECTANCE
400nm @ 45 deg.	92%
450nm @ 45 deg.	93%
550nm @ 45 deg.	94%
600nm @ 45 deg.	90%
650nm @ 45 deg.	90%
700nm @ 45 deg.	86%

**ENVIRONMENTAL DURABILITY**

**Adhesion** – The coating shall show no damage after 3M Scotch Brand No.600 tape is pressed firmly against the coated surface and removed quickly by a snap of the wrist according to MIL-C-48497, Para 4.5.3.1

**Abrasion Resistance** – The coating shall show no damage after a 200 -rub test with a cheesecloth pad approximately 3/8 inch diameter bu ½ inch thick. The bearing force shall be one pound plus or minus one-quarter pound. According to MIL-M-18508C. Para 4.4.5.

**Humidity Resistance** – The coating shall show no deterioration after exposure to a 24 hour humidity test (49 degrees C (120 degrees F) 95% relative humidity) according to MIL-C-48497. Para 4.5.3.2.

**Corrosion Resistance** – The coating shall show no deterioration after a 24 hour exposure to salt fog (5% NaCl by weight) at 35 degrees C (95 degrees F) per MIL-STD-810C, method 509.1.

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Scratches - A Maximum scratch width of 0.06mm.

### Voids, Spatter, Digs & Foreign Matter

- Maximum defect sheet diameter 0.4mm
- Minimum distance between two 0.4mm – defects 19mm
- Disregard defects less than 0.05mm
- Defects that penetrate the coating and are less than 0.4mm, shall have accumulated diameters less than 0.8mm in any 19mm circle of surface area
- Defects which do not penetrate the coating and are less than 0.4mm shall have accumulated diameter less than 1.6mm in any 19mm circle of surface area