

# Quality Data Sheet



**alanod**

ALANOD Aluminium  
Veredlung GmbH u. Co. KG

## 5120AG

**Quality:** 5120AG MIRO-8 Silver

### Additional Information

5120AG / 01

31.10.2003

### Availability

Thickness from to [mm] 0,30 - 0,80  
max. width [mm] 1250,00

**Alloy:**<sup>1</sup> Al 99,85

**Hardness:**<sup>2</sup> hard

### Mechanical Properties:

Tensile strength [MPa] 160 - 200  
Yield strength [MPa] 140 - 180  
Elongation (A50) [%]  $\geq 2$   
Deformation/Bending: bending  $\geq 1,5$  x gauge of material

Treatment Front: (S1) electrolytically brightened anodized and PVD coated

PVD layer (S1) PVD Ag 99,95

Iridescent colours (S1) absolutly colourfree

### Tolerances

Coil, strip, sheet, blanks  
Gauge: [mm] 0,20 - 0,50  $\pm 0,04$  0,61 - 0,80  $\pm 0,06$   
[mm] 0,51 - 0,60  $\pm 0,05$   
Width/Coil: [mm] +3,00 /-0.00  
Width Slit Coil: [mm]  $\pm 0,20$  Standard  $\pm 0,05$  Special  
Longitudinal Curvature: [mm]  $\leq 1,00$  on a measuring length of 1000mm  
Sheet: [mm] 0 - 600 +1,0/-0.00  
[mm] 600 - 1500 +1,5/-0.00  
[mm] 1500 - 2500 +2,5/-0.00  
[mm] 2500 - 3500 +3,5/-0.00  
Flatness: 1% of wavelength maximum 8 [mm]  
Transversal divergency: [mm]  $\leq 1,50$  (D1-D2)

### Optical Properties:

Total light reflection: (S1) [%]  $\geq 97$  DIN 5036-3 (U-Globe)  
Diffuse light reflection: (S1) [%] 60 - 75 DIN 5036-3 (U-Globe)  
Total light reflection: (S1) [%]  $\geq 97$  ASTM E-1651 (TR-2)

Brightness along: [ ] 84 - 87 ISO 7768 (60° / calibrated 91.8)  
across: [ ] 84 - 87 ISO 7768 (60° / calibrated 91.8)

Color values b\* [ ] 0 b\* +5 DIN 5033-4 10°

**Protective Film:** PE - Foil  
gauge 50 - 60  $\mu\text{m}$

### Characteristic:

<sup>1</sup> acc. to DIN EN 573-3/Millsnorm/Other

<sup>2</sup> acc. to DIN EN 485-2/Millsnorm/Other