

Paint Specification EXTERNAL MIRROR

| Properties | Norm | Results | Comments | | | | | | |
|--|----------------|---|--------------------------------------|---------|---------|--------|--------|--------|------|
| Physical Properties | | | | | | | | | |
| 1. Coating Thickness | EN 13523-1 | 3,0 +/- 0,5 microns | | | | | | | |
| 2. Specular gloss topcoat, 60° | EN 13523-2 | from 87 to 92 % | | | | | | | |
| 3. Pencil hardness | EN 13523-4 | HB | | | | | | | |
| 4. T-Bend | EN 13523-7 | <table border="1"> <tr> <td>T-Bend</td> <td>Ri rec.</td> <td>Ro rec.</td> </tr> <tr> <td>≥ 2 mm</td> <td>≥ 6 mm</td> <td>≥ 2 mm</td> </tr> </table> <p>Ri rec: Recommended aluminium minimum inside bend radii (mm). Ro rec: Recommended minimum outside bend radii (mm).</p> | T-Bend | Ri rec. | Ro rec. | ≥ 2 mm | ≥ 6 mm | ≥ 2 mm | 180° |
| T-Bend | Ri rec. | Ro rec. | | | | | | | |
| ≥ 2 mm | ≥ 6 mm | ≥ 2 mm | | | | | | | |
| 5. MEK / Solvent rubbing test | ECCA T11 | ≥ 50 double rubs | | | | | | | |
| Corrosion and Chemical Resistance | | | | | | | | | |
| 6. Salt acid spray fog Resistance | EN 13523-8 | no visible corrosion | After 1.000 hours testing | | | | | | |
| 7. Humidity Resistance | ASTM D-2247-68 | no visible corrosion | After 1.000 hours testing | | | | | | |
| 8. QUV-B test | EN 13523-10 | colour change and gloss reduction ≤ 1 % of the original gloss | After 250h hours light cycle testing | | | | | | |

Additional information

Any kind of pressure over the surface produced during the manipulation, transport, fabrication, installation and after creates marks and dents, which cannot be appreciated in other matt colour finish, and that are very difficult to avoid due physical properties of the mirror finish (high gloss and reflection).

Paint Specification INTERNAL MIRROR

99,85% purity Aluminium + Electrolytically Brightened Anodized

| Propierties | Norm | Result | Comments |
|---|-----------------|-------------------|-------------------|
| Physical Propierties | | | |
| 1. Aluminium Composition | EN 873/3 | Al 99.85% | |
| 2. Elasticity limit $R_{p0.2}$ (N/mm ²) | EN 485/2 | 140 | |
| 3. Elongation (%) | EN 485/2 | 1 | |
| 4. Ultimate tensile strength R_m (N/mm ²) | EN 485/2 | 120 | |
| 5. Impact | ECCA T5 | No coating cracks | |
| 6. Total reflection | ASTM E 1651 | 86% ca. | |
| 7. Difuse reflection | DIN 5036-3 | 11% | |
| 8. Iridiscence | | Regular | |
| Corrosion and Chemical Resistance | | | |
| 9. Salt spray resistance | DIN EN ISO 9227 | OK | 500 hours testing |

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