

| PANEL THICKNESS: | | 2mm | 3mm | 4mm | 6mm |
|---|-----------------------------------|--|--|------|------|
| Aluminium layer thickness | mm | 0.30 | | | |
| Panel Weight | [Kg/m ²] | 2.90 | 3.80 | 4.80 | 6.60 |
| PANEL TOLERANCES | | | | | |
| Panel thickness | mm | ±0.2 | | | |
| Panel width | mm | 2000, tolerances -2.00/+4.00 mm* | | | |
| Panel length | mm | ≤ 4000 mm : -0.0 / +4 4001 -6000 mm: -0.0 / +6 6001- 8000 mm: -0.0 / +10 | | | |
| Diagonal difference | mm | 3.00 mm | | | |
| TECHNICAL PROPERTIES | | | | | |
| Alloy/Temper of Aluminium cover sheet | | EN AW- 3105/H44 or 4116/H44 | | | |
| Modulus of Elasticity | E [N/mm ²] | 70000 | | | |
| Tensile strength of Al. cover sheets | Rm [N/mm ²] | 150-200 | | | |
| 0.2% Proof stress | Rp0.2 [N/mm ²] | 120 min | | | |
| Elongation | % | A ₅₀ ≥ 3% | | | |
| Linear Thermal Expansion | | 2.4 mm/m for Temperature difference of 100° C | | | |
| CORE: | | | | | |
| Density of Polyethylene, Type LDPE | [g/cm ³] | 0.92 | | | |
| SURFACE PREPARATION and PAINT CHARACTERISTICS | | | | | |
| Visible Surface Preparation: | | <u>Pre-treatment of Aluminium:</u> 1 st Degreasing 2 nd Passivation | | | |
| Lacquering Upper Surface/ Lower Surface | | Coil Coating <u>Polyester/Modified Polyester suitable for digital printing - System</u> | | | |
| <ul style="list-style-type: none"> Gloss Pencil Hardness Paint Thickness | | Semi gloss Target 35 % , Tolerances according to EN 1396 High gloss Target >80% Tolerances according to EN 1396 Min H Target 22 µm, Tolerances according to EN 1396 | | | |
| TEMPERATURE BEHAVIOUR | | | | | |
| Operational temperature range | | From -50° C to +80° C | | | |
| SURFACE QUALITY | | | | | |
| Dents, marks, hits, grooves, stains etc. | | Acceptable when not visible at a distance ≥50 cm at an angle of 90° | | | |
| Uncoated edges | | Uncoated edges can exist up to 8 mm per edge but not more than 15 mm together for both edges | | | |
| SURFACE BURNING CHARACTERISTICS | | | | | |
| COUNTRY: | | Test According to | Classification | | |
| Germany | | DIN 4102-1 | B2, etalbond light, 2, 3 mm | | |
| France | | NFP 92-501 | M1 | | |
| UK | | BS 476, Part6 BS 476, Part7 | Index 0 Class 1 ► Meets the requirements according to Class 0 of the National Building Regulations | | |
| PROTECTIVE FILM | | | | | |
| Transparent unprinted and black/white unprinted with special adhesive suitable for digital printing. No UV protection for transparent | | An area of 5 mm max, from each edge might be without protective film | | | |

*Width specs refer to both coating area and panel width. Please note that the coating area does not necessarily coincide with the panel tolerances. Panel might be larger than the coated area

**Material before use should be stored inside away from direct sunlight.

***It is advisable to remove the protective film within 6 months after goods receipt. Beyond this period there is a possibility that the protective film might leave remnants of adhesive on the surface

