

COALA PRINTBOND 308 DESIGN



MATERIAL DESCRIPTION

Coala Printbond 308 DeSign is an Aluminium Composite Panel combining two 0.30 aluminium skins on a black LDPE core. The 80µ Coala easy-peel liner is specially processed to avoid “ghost” images when printing. Coala’s optimized Digital matt White surface is perfect for UV flatbed printing. Additionally uniform flatness, caliper and dimensional sheet stability ensure the panel is an excellent choice for full coverage digital printing. Coala Printbond 308 DeSign is the highest quality panel for the fabrication of three dimensional signage. PE core is partially made of recycled content. Aluminium skins can be recycled once delaminated.

PRINTER & INK COMPATIBILITY



PRODUCT STRUCTURE

- Thickness of aluminium: 0.30mm
- Aluminium quality: alloy 5000-series
- Aluminium thickness deviation: $\pm 0.02\text{mm}$

TECHNICAL PROPERTIES

- Protective Film Thickness: 80µ
- Bonding adhesive film: 45µ
- Optimised digital paint surface for UV printing
- Whiteness : RAL 9016
- **Dimension Deviation:**
 - Length: $\pm 3\text{ mm}$
 - Width: $\pm 2\text{ mm}$
 - Thickness: $\pm 0.2\text{ mm}$
 - Diagonal: $\leq 5\text{ mm}$
 - Warp: $\leq 3.2\text{ mm}$
- PE coating thickness: $\geq 14\mu\text{m}$
- Pencil Hardness: $\geq \text{HB}$
- Lustre Deviation: ≤ 10
- Coating Toughness: $\leq 2\text{T}$
- Adhesive: no less than grade 1 (circle method)
- 180° Peel Strength: $\geq 3\text{ N/mm}$
- **Color Variation Tolerance:**
 - White $\Delta E \leq 0.5$
 - Metallic $\Delta E \leq 1.0$
 - Colors $\Delta E \leq 1.5$
- **Flame retardant:**
 - M1
 - Euroclass C-s1-d0
- **RoHs and REACH compliant**
- **Warranty:**
 - 5 year warranty / White RAL 9016
 - 3 year warranty / Colors

PLATE
THICKNESS

3
mm

ALUMINIUM
SKIN THICKNESS

0,30
mm

GENERIC CARE & HANDLING

Coala Printbond 308 DeSign Lite should be stored in dry, clean conditions and allowed to acclimatize to a minimum of 18°C before processing. Avoid storage in direct sunlight and maintain the panels in their original packaging where possible and on a level surface. Panels should not be stored vertically.

Aluminium Composite sheets should always be handled and lifted from the pallet horizontally – holding all four corners and moved horizontally to the processing area by 2 people.

Avoid the use of marker pens, inks and labels on the protective film. Some solvents or plasticisers may penetrate the film and affect the lacquered surface. Always use “lint-free” gloves when removing the protective film, handling the panels and once the easy-peel protective film has been removed.



The following technical details are issued to the best of our knowledge, however, without any responsibility for results due to several different kinds of material and application processes. Therefore, we highly recommend that before every usage a test should be conducted on the original material. Antalis cannot be responsible for any damage to the printer caused by printing our media.



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