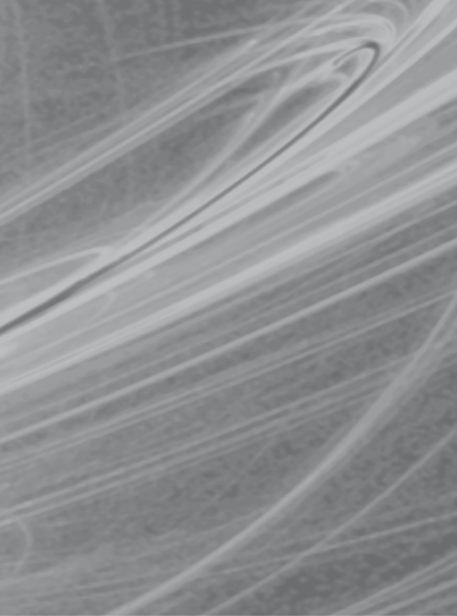





KÖMAALU[®]
finishing. printing. laminating.



KÖMAALU[®] aluminium composite sheets — as multifaceted as the demands made on them



Trade information for:

- Advertising technicians
- Digital printers
- Design & advertising agencies
- Exhibitors
- Exhibition stand builders
- POS fitters
- Sign makers
- Modellers and prototype builders
- Interior decorators



KÖMMERLING[®]
Business Unit Sheets

KÖMALU® – the very model of a material: versatile, lightweight and infinitely variable!

“KömaAlu–packed with know-how!”

KömaAlu is an innovative composite material comprising two aluminium outer sheets sandwiching a polyethylene core—all bonded together with toughened adhesive in a continuous production process.

The aluminium sheets are stove-enamelled with a polyester coating (coil coating process).

The result is an aluminium composite sheet—lightweight but at the same time highly durable and rigid—with outstanding characteristics ideally suitable both for interior and exterior applications.

Whatever architects, designers and structural engineers come up with: it’s all feasible!

“The real all-rounder in the materials world.” Among other things, suitable for:

Corporate identity

For example, for exhibition stands, supermarkets, shop windows, decorative elements

Displays










For example, for signs, pylon signs, photograph lamination, POS/POP

Interior design

For example, for cladding, facings, shopfitting, partition elements



Characteristics to be proud of!

-  .Highly durable
-  .Easy to work
-  .Suitable for both indoor and outdoor use
-  .Good flexural strength
-  .Easy to print
-  .Weather-resistant
-  .Corrosion-resistant
-  .100% recyclable
-  .UV-resistant

Delivery programme

| Colours | Format in mm |
|----------------------------|-------------------|
| Matt white / Gloss white | 3050 X 1500 X 3 |
| | 3050 X 2000 X 3 * |
| | 4050 X 1500 X 3 |
| | 3050 X 2000 X 4 * |
| Matt white / Gloss white | 2050 X 1000 X 2 |
| | 2550 X 1250 X 2 |
| | 3050 X 1500 X 2 |
| | 2050 X 1000 X 3 |
| | 2550 X 1250 X 3 |
| | 3050 X 1000 X 3 |
| | 3050 X 1250 X 3 |
| | 3050 X 1500 X 3 |
| | 4050 X 1500 X 3 |
| | 2050 X 1000 X 4 |
| | 2550 X 1250 X 4 |
| | 3050 X 1000 X 4 |
| | 3050 X 1500 X 4 |
| | 4050 X 1500 X 4 |
| Silver / Matt white | 3050 X 1500 X 2 |
| | 3050 X 1500 X 3 |
| | 3050 X 2000 X 3 * |
| | 4050 X 1500 X 3 |
| | 3050 X 1500 X 4 |
| Silver / Silver | 3050 X 2000 X 4 * |
| | 3050 X 1500 X 3 |
| Brushed | 3050 X 1500 X 3 |
| Matt yellow / Gloss yellow | 3050 X 1500 X 3 |
| Matt red / Gloss red | 3050 X 1500 X 3 |
| Matt blue / Gloss blue | 3050 X 1500 X 3 |
| Matt green / Gloss green | 3050 X 1500 X 3 |
| Matt black / Gloss black | 3050 X 1500 X 3 |

Pallet content: 50 sheets/pallet
 Protective film on both sides except brushed (protective film on one side only)
 * Available from May 2011

Exceedingly easy to work!



Machining

Sawing, shearing, punching, cutting out, milling



Forming

Bending, folding, drilling connecting holes, riveting, screwing, welding, bonding



Printing, lacquering and filming

screen printing, lacquering, laminating/photomounting

Technical data

| Specifications | Standard | Unit | Value |
|---|-----------------------|-------------------|-----------------|
| Alloy | | EN AW | 1100 |
| Status | | | H48 |
| Length tolerance | DIN 16927/ISO 11833-1 | mm | - 0/+ 2 |
| Width tolerance | DIN 16927/ISO 11833-1 | mm | - 0/+ 2 |
| Thickness tolerance | DIN 16927/ISO 11833-1 | mm | ± 0.1 |
| Variation between the diagonals | | mm | 3 |
| Weight, thickness 2 mm | | kg/m ² | 3.10 |
| Weight, thickness 3 mm | | kg/m ² | 4.20 |
| Weight, thickness 4 mm | | kg/m ² | 5.30 |
| PE | | g/cm ³ | 0.92 |
| Coefficient of expansion (from -50 °C to +80 °C) | | mm/mK | 0.024 |
| Fire behaviour, thickness 3 mm | DIN 4102 (D) | | B2 |
| thickness 2-4 mm | PV 68-08 (F) | | M1 |
| Thickness of topcoat and backcoat/polyester | | µm | 20 (± 2) |
| Top coat and back coat material | | | Polyester |
| Gloss level on matt side of board (angle of measurement 60°) | ISO 2813 | | 20 to 40 (± 10) |
| Gloss level on shiny side of board (angle of measurement 60°) | ISO 2813 | | 85 (± 10) |

Transport and storage

- .Handle the sheets with care during transport and unloading.
- .Check pallets for transport and moisture damage on delivery (dry moist sheets immediately to prevent spotting/staining).
- .Report any damage immediately and have the forwarder countersign the damage report.
- .Store pallets so they are protected against rain, splashwater and ingress by moisture and prevent condensation from forming (by not moving cold sheets into a warmer environment, for instance).
- .Store pallets stacked horizontally on top of one another (do not store vertically).
- .Store heavy sheets underneath and lighter sheets on top.
- .Do not stack any more than six pallets on top of one another.
- .Grip single sheets along their long sides, one person on each side, and lift them off the pallet.
- .Do not drag sheets across one another; carry them upright.
- .Wear gloves to avoid leaving marks.

With the compliments of: