



Kömmerling[®]
TODAY FOR TOMORROW



ALUMINIUM COMPOSITE SHEET FOR
INDOOR AND OUTDOOR APPLICATIONS

KömaAlu[®]

EVEN GOOD THINGS CAN STILL BE IMPROVED ON

You have the choice. We the range.



A traditional brand in the profine Group, Kömmerling is a familiar name all over the world. Founded in 1897, the company started extruding window profiles and PVC sheets as early as 1967. Today, Kömmerling exports its products to about fifty countries worldwide. And this number is constantly growing.

Kömmerling enjoys a high reputation among its customers, not only because of product quality or its extensive range. What drives us is our pursuit of “the better”. This spirit can be felt at all of the company’s divisions. It is our daily motivation to go new ways with our customers and to conquer the market with new products, systems, services, and sales channels.

This drive is also based on the reliability of a large company that can respond unerringly to individual market requirements and the needs of its customers. A reliability that engenders trust and, combined with new ideas and pioneering technology, offers new possibilities. It is not without reason that the SPS product area with it is the global leader in the field of PVC sheets. Always endeavouring to keep on the move, to make the good even better, and by doing so to safeguard its customers’ lasting success. We call this quite simply the “Ever better principle”.

KömaCel
Integral skin-foam sheet for advertising, building and industry

KömaTex
Free skin-foam sheet for advertising

KömaPrint
Free skin-foam sheet for best printing results

KömaDur
PVC-U sheet system for virtually all areas

KömaStyle
Wall cladding system for modern interior design

KömaAlu
Aluminium composite sheet for indoor and outdoor applications

KömaPan
Tongue and groove profile for indoor and outdoor use

KömaSteel
KömaSteel WHITEBOARD
Steel composite sheet for a wide range of applications

KömaAlu®



LIGHTWEIGHT AND STABLE

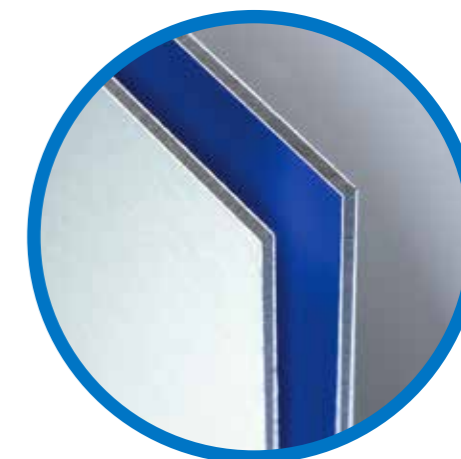
A strong composite of aluminium and PE for individual use.

Our KömaAlu composite sheets are built up like a sandwich. On their inside is a core of polyethylene embedded between two aluminium covers. These layers are bonded to each other with toughened adhesive in a continuous production process. Afterwards, a complex coil coating process gives the aluminium cover sheets an extremely resistant polyester enamelling.

Thanks to this special manufacturing method, KömaAlu is not only an extremely lightweight and durable, rigid aluminium composite sheet, it can also be processed and transported with the greatest of ease. Even large areas are secured reliably with commercially available screws and wall plugs. Their quality look and chemical resistance combined with good printing properties make KömaAlu composite sheets the ideal material for countless indoor and outdoor applications. They neither warp nor deform and yield an absolutely plane surface.

KömaAlu samples:

We'll be pleased to send you on request our Kömmerling KömaAlu samples free of charge. Email: info@komasheets.com





KömaAlu®

Areas of application

ADVERTISING SECTOR

- > Exhibition stands
- > Supermarkets
- > Shop window decorations
- > Decoration elements
- > Signs
- > Pylons
- > Photo lamination
- > POS / POP

BUILDING SECTOR

- > Cladding
- > Panelling
- > Shop design
- > Partitioning

Delivery programme

Dimensions (mm)	Top coat thickness (mm)	Thicknesses (mm)	Colours
3050x1500	0,18	3	F 63 Matt white / glossy white
2050x1000	0,25	2, 3, 4	F 63 Matt white / glossy white
2550x1250	0,25	2, 3, 4	F 63 Matt white / glossy white
3050x1000	0,25	3	F 63 Matt white / glossy white
3050x1500	0,25	2, 3, 4, 6	F 63 Matt white / glossy white
3050x2000	0,25	3, 4	F 63 Matt white / glossy white
4050x1000	0,25	3, 4	F 63 Matt white / glossy white
4050x1500	0,25	3, 4	F 63 Matt white / glossy white
4050x2000	0,25	3, 4	F 63 Matt white / glossy white
3050x1500	0,25	3, 4	F13 Silver metallic / Silver metallic
3050x1500	0,25	4	F19 Matt anthracite grey / glossy anthracite grey
3050x1500	0,25	3	F70 Matt yellow / glossy yellow
3050x1500	0,25	3	Matt red / glossy red
3050x1500	0,25	3	Matt blue / glossy blue
3050x1500	0,25	3	Matt green / glossy green
3050x1500	0,25	3	Matt black / glossy black
3050x1500	0,30	3	F10 Brushed*
3050x1220	0,40	4,6	E6 / EV1

* reduced UV resistance, as natural aluminium with transparent polyester coating
Protective film on both sides; except Brushed (only one-sided protective foiling)

Standard colours



White
similar to RAL 9003



Yellow
similar to RAL 1003



Red
similar to RAL 3020



Blue
similar to RAL 5002



Silver metallic
similar to RAL 9006



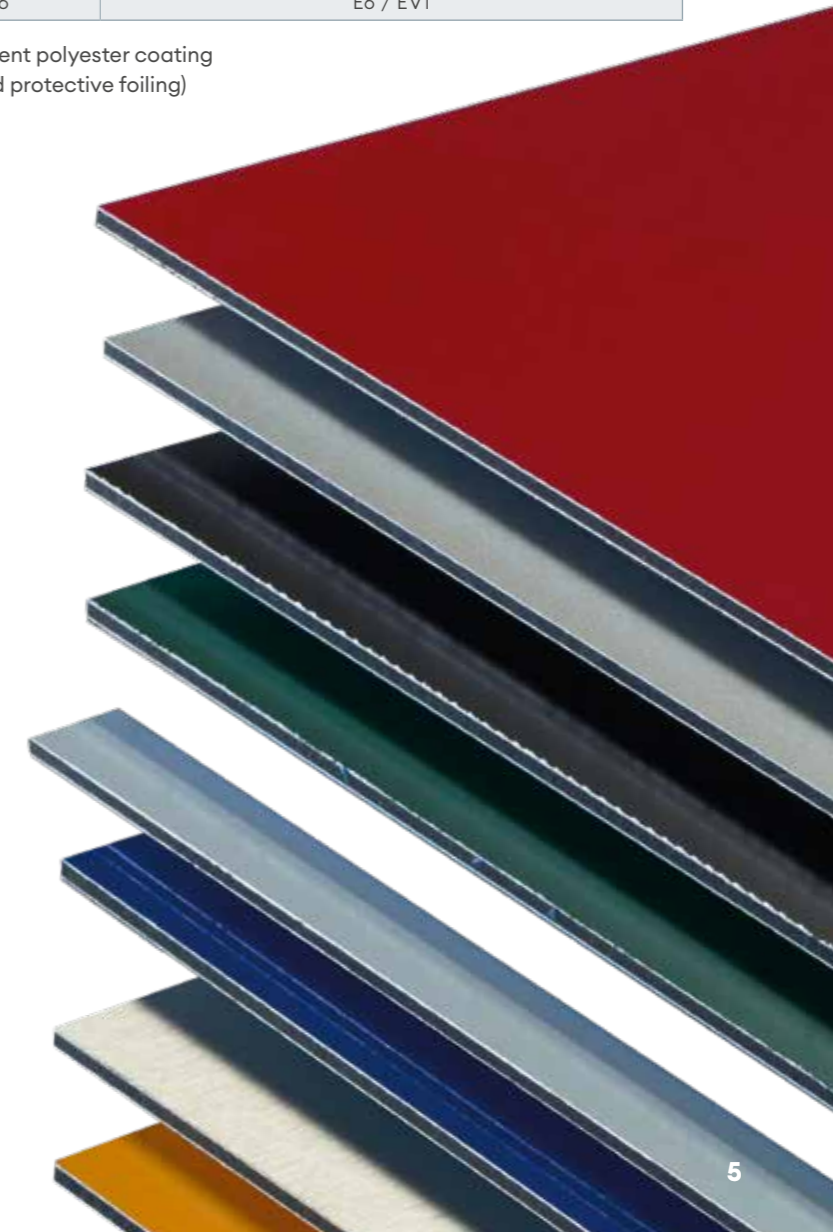
Green
similar to RAL 6005



Black
similar to RAL 9011



Anthracite grey
similar to RAL 7016



Features

Brilliant homogenous white

Excellent printing qualities

For internal and external applications

High durability

Good flexural strength

100 % recyclable

Weatherproof and weather resistant

High corrosion resistance

UV resistant

Simple processing

Technical Data

	Standard	Unit	Value
Mechanical properties			
Top coat thickness		mm	0,25
Weight	Thickness: 2 mm	kg / m ²	3,10
	Thickness: 3 mm		4,30
	Thickness: 4 mm		5,50
Weight tolerance		g / m ²	± 200
Technological properties			
Alloy / State of the top coats			1100 H48; EN AW-AI 99, 0 Cu
Modulus of elasticity	ISO 527 (Based on)	N / mm	70.000
Tensile strength of the top coats	ISO 527 (Based on)	N / mm	145 – 185
Elongation at break (A50)	ISO 527 (Based on)	%	≥ 3
Coefficient of linear expansion		2.4 mm / m at 100 °C temperature difference	
Core			
Polyethylene, type LPDE		g / cm ³	- 0,93 – 0,96
Surface			
Coating		Modified polyester paint system	
Hardness (pencil hardness)			H
Gloss level, matt sheet side (measuring angle 60°)	ISO 2813		20 to 40 (± 10)
Gloss level, gloss sheet side (measuring angle 60°)	ISO 2813		85 (± 10)
Thickness of top coat and back coat / polyester		µm	20 (± 2)
Top coat and back coat material			Polyester
Tolerances			
Length tolerance	DIN 16927 / ISO 11833-1 (based on)	mm	-0 / +2
Width tolerance	DIN 16927 / ISO 11833-1 (based on)	mm	-0 / +2
Thickness tolerance	DIN 16927 / ISO 11833-1 (based on)	mm	± 0,15
Deviation of diagonals	DIN 16927 / ISO 11833-1 (based on)	mm	3
Other properties			
Fire behaviour (Thickness: 2, 3, 4 and 6 mm)	DIN EN 13501-1 (EU)		E-Class

There may be slight differences depending on the colour. Subject to modification without prior notice.

Transportation, storage and handling

KömaAlu is available in many colours and varieties. The panels are delivered with a protective foil that prevents damages to the decorative surfaces during transportation, storage and handling. Nevertheless, the composite panels need to be handled with care. Please keep the following suggestions in mind.

- When transporting, loading and unloading, please handle the pallets and products carefully.
- Check the pallets and panels for transportation damage or any damage caused by dampness. Any claims should first be confirmed by the carrier in the letter of consignment before being declared.
- KömaAlu panels that have become wet must be dried before being stored. This prevents possible spotting or corrosion.
- Protect the pallets against rain, splash water and humidity during storage. Condensation should also be avoided. This can develop when cold panels are transported into warm environments, for example.
- KömaAlu panels should be stacked on the ground, with no more than six pallets of the same format on top of one another. Heavier pallets should be placed at the bottom.
- Individual panels must be picked up by two people on the long side – not pulled out. To pick up the panels, all four corners should be grasped.
- Wear gloves when handling the panels. This will prevent the formation of spots or discolouration.

With proper handling, the KömaAlu protective foil ensures that panels are not damaged during the overall progression from transportation to installation. For this reason, the protective foil should be treated with utmost care.

- KömaAlu panels should be stored no longer than six months, if possible.
- For longer storage periods: after the protective foil has been removed, the panels should first be wiped with a lint-free cloth that has been moistened with isopropyl alcohol.
- Avoid strong fluctuations in temperature.
- The protective foil is not UV resistant. Therefore, it should always be removed before external use of the panel.
- Make sure that the protective foil does not become partially detached. This could lead to the accumulation of dirt over the course of time.



Virtually no limits to creativity

Machining

Sawing, shearing, punching, cutting out, milling, and drilling

Forming

Bending, folding, riveting, screwing, welding, and bonding

Printing, painting, and laminating

Screen printing, painting, laminating / photo mounting, and digital printing (on matt side only)

#KömmerlingForTomorrow

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