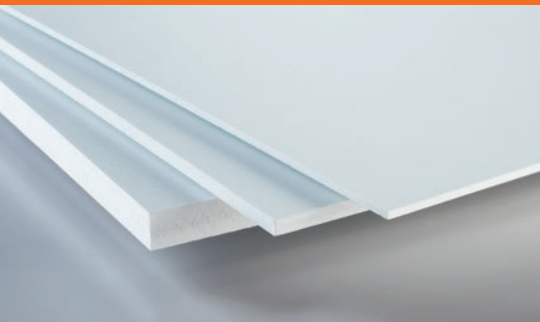


processing

printing

presenting



KÖMAPRINT®

The innovative sheet for
the best printing results



KÖMMERLING®

Business Unit Sheets

A brand of the profine Group

Even good things can still be improved on

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, the **KÖMMERLING Business Unit Sheets** 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. The KÖMMERLING Business Unit Sheets and its extensive portfolio simply deserve to lead the segment for PVC sheets. Always endeavouring to keep on the move, to make the good even better, and by doing so to safeguard its customers' sustainable success. We call this quite simply the **"EVER BETTER PRINCIPLE"**.

"Because we listen to our customers better, we can also understand better a lot more."

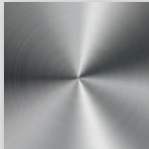


Patrick N. Slarko
Head of
Business Unit Sheets


You have the choice. We the range.



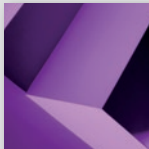
KÖMACEL°
The universal integral skinfoam sheet for advertising, building, and industry



KÖMALU°
The aluminium composite sheet for indoor and outdoor applications



KÖMATEX°
The multiflexible free skinfoam sheet for advertising




KÖMADECO°
The PVC sheet with woodgrain laminate



KÖMAPRINT°
The innovative sheet for the best printing results



KÖMAFOAM°
The lightweight sandwich sheet for great design potential



KÖMADUR°
The PVC-U sheet system for virtually all areas



KÖMALITE°
The rigid lightweight sheet for graphic applications



**Fine-celled
foam
structure**

KömaPrint: this PVC sheet presents a finely textured surface for the perfect printing results.

Our recommendation

for the best printing results

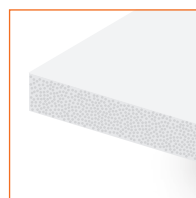
KömaPrint has been developed specifically for the needs of the printing industry. An innovative material with special properties for the perfect coverage of all printing and display design requirements.

The finely textured surface and the shining white material (similar to RAL 9003) present the perfect base for an excellent printed image. This material shows to advantage especially in screen and digital printing as well as laminations.

For display design, the combination of fine-celled structure and highly stabilising makeup makes KömaPrint a durable, yet lightweight material. In addition, it is moisture-resistant, and therefore suitable for indoor and outdoor applications to an equal degree. Whether series or custom production, punching, trimming, sawing, or cutting: KömaPrint offers the best product properties for a wide range of further processing options.

KömaPrint samples:

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



Consistency:

- Fine-celled foam structure
- Finely textured surface
- Lightweight
- Excellent printing properties

For applications

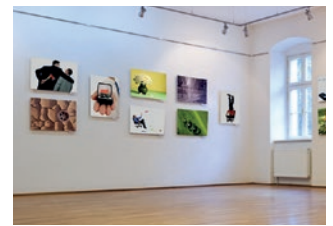
making a good impression

KömaPrint never fails to make an excellent impression. Thanks to the best conditions for digital printing.

Advertising sector

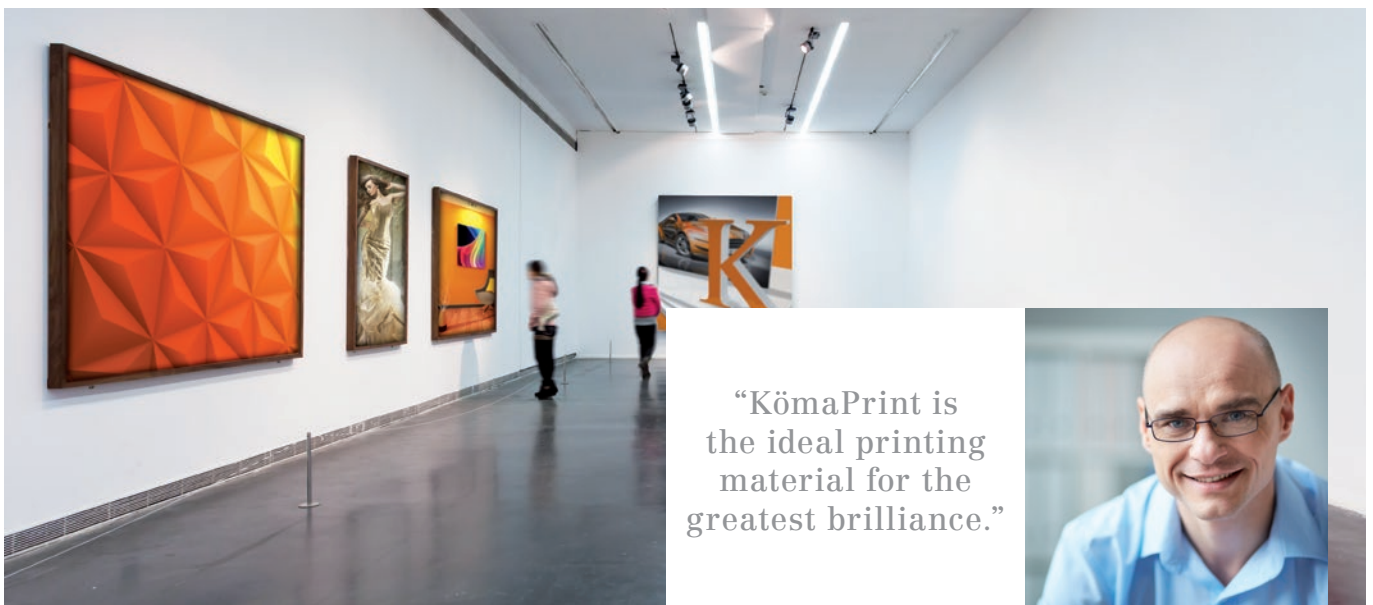


Other



Thanks to its excellent printing and processing properties, KömaPrint is ideal for digital and screen printing applications, whether for signs, displays, banners, lettering, promotional articles, shop window decorations, or photo laminations. A real star for an impressive show.

The outstanding printing results made possible with KömaPrint also make this sheet the ideal substrate for presentations, exhibitions, puzzles, and decorations.



“KömaPrint is the ideal printing material for the greatest brilliance.”



Stephan M.
Printer

Delivery programme

Dimensions (mm)	White 667 in the thicknesses (mm)	Piece/Pallet
2440 x 1220	2	140
3050 x 1220	2	140
3050 x 1560	2	140
3050 x 2050	2	90
2440 x 1220	3	125
3050 x 1220	3	125
3050 x 1560	3	100
3050 x 2050	3	80
4050 x 2050	3	80
2440 x 1220	4	100
3050 x 1220	4	90
3050 x 1560	4	70
3050 x 2050	4	70
2440 x 1220	5	100
3050 x 1220	5	70
3050 x 1560	5	60
3050 x 2050	5	60
2440 x 1220	6	75
3050 x 1220	6	60
3050 x 1560	6	50
3050 x 2050	6	50
2440 x 1220	8	50
3050 x 1220	8	50
3050 x 1560	8	50
3050 x 2050	8	30
2440 x 1220	10	50
3050 x 1220	10	40
3050 x 1560	10	40
3050 x 2050	10	30
4050 x 2050	10	20

Tolerances

Sheet thickness	Thickness tolerance	
	in mm	absolute in mm
2 mm	+ 0.10/- 0.25	0.25
3 mm	+ 0.10/- 0.30	0.30
4 mm	+ 0.10/- 0,35	0.35
5 mm	+ 0.10/- 0.40	0.40
6 mm	+ 0.10/- 0.50	0.45
8 mm	+ 0.10/- 0.55	0.50
10 mm	+ 0.10/- 0.70	0.60

Length tolerance: - 0/+ 8 mm
 Width tolerance: - 0/+ 2,5 mm
 Perpendicularity: 2 mm/m

Stacking height of sheets

Format width	Maximum stacking height
1220/1560 mm	4.00 m
2050 mm	4.80 m

The pallets must be stacked whenever possible with their original contents of identical items, from large to small.

Environmental protection of tested reliability

Correct storage

Always store KömaPrint sheets on a level surface in a dry, air conditioned environment at about 15–20 °C. The packaged sheets may not be exposed to weathering effects and direct sunlight.

Ecological manufacture

In line with our environmental guidelines, KÖMMERLING PVC-U sheets are safe for humans and the environment during their manufacture, use, and dis-

posal. They are free of formaldehyde, asbestos, lindane, PCB, PCP, CFCs, cadmium, and lead and do not contain any monomers, biocides, or plasticisers. At the end of their service lives, the sheets or sheet residue can be recycled. They are processed in shredders or grinders and then introduced to the manufacturing process for new sheets.

Certified quality

True to our “Ever better principle”, the acclaimed high quality of our products bear the hallmarks of our research and development work as well as decades of experience with synthetic materials. Tests are conducted over all stages – from the incoming raw materials to the final inspection of the finished products. Regular examinations by independent testing institutes confirm this high level of care. Logically, our quality assurance system has been DIN ISO 9001 certified.





The features

of the KömaPrint PVC sheet



Uniformly and finely structured surface



Flame resistant



Fine-celled foam structure



Simple processing



Colour 667 bright white



For reliable printing processes



Excellent printing qualities



Ideal for cutting, trimming, and sawing



Good for laminating



Lightweight



Very good for bonding



Moisture resistant



Ideal for punching work



For internal and external applications



100% recyclable

Optimal printing and processing properties

Machining

Sawing, milling, drilling, cutting, perforating, and water jet cutting.

Forming

Folding, bending, punching, press forming, embossing, welding, and bonding.

Printing, painting, and laminating

Digital printing, screen printing, acrylic paints, 2C paints, commercially available art lacquers and linings.

Technical Data

Properties	Testing method	Unit	Value
Density	DIN EN ISO 1183	g/cm ³	~ 0.50
Tensile strength	DIN EN ISO 527	MPa	> 10
Elongation at tear	DIN EN ISO 527	%	~ 12
Tensile modulus of elasticity	DIN EN ISO 527-2/1A/50	MPa	~ 600
Flexural strength	DIN EN ISO 178	MPa	~ 20
Impact strength	based on DIN EN ISO 179	kJ/m ²	> 8
Roughness	DIN EN ISO 4288	µm	2 mm ≤ 4 3 mm ≤ 4,5 4-6 mm ≤ 5 8+10 mm ≤ 6
Ball indentation hardness	DIN EN ISO 2039-1	MPa	~ 5
Coefficient of linear thermal expansion from -30 °C to +50 °C	DIN EN ISO 11359-2	mm/mK	≤ 0.085
Thermal conductivity at room temperature	DIN EN ISO 22007	W/(m*K)	0.07
Deflection temperature	DIN EN ISO 75 (process Ae)	°C	~ 58
Vicat A	DIN EN ISO 306 (process A50)	°C	72
Printing/painting			very good
Digital printing			very good
Laminating			very good
Colour: max colour difference CIELAB			667 similar RAL 9003 ΔE ≤ 1.3
Deep drawing			no
Fire behaviour	DIN 4102 (DE) DIN EN 13501-1 (EU) NF P 92-501 (FR) CSE - RF 2/75/A (IT) UL 94 (USA) BSE 476 : Part 7 (GB)	B1 for 2-5 mm C-s2d0 for 2-4 mm and C-s3d0 for 5 mm M1 for 2-5 mm Classe 1 for 2-5 mm V0/5VA for 2-6 mm and V0/5VB for 8, 10 mm Class 1Y for 5 mm, Class 2 for 10 mm and Class 2Y for 3 mm	

Weather and light fastness according to DIN EN 513 for a period of 3 years.

Subject to modifications without prior notice.