

processing

printing

presenting



**KÖMA**PRINT®

The innovative sheet for  
the best printing results



**KÖMMERLING**®

*BU Semi-Finished Products*

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 Semi-Finished Products** 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 Semi-Finished Products 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  
Semi-Finished Products

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](mailto: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

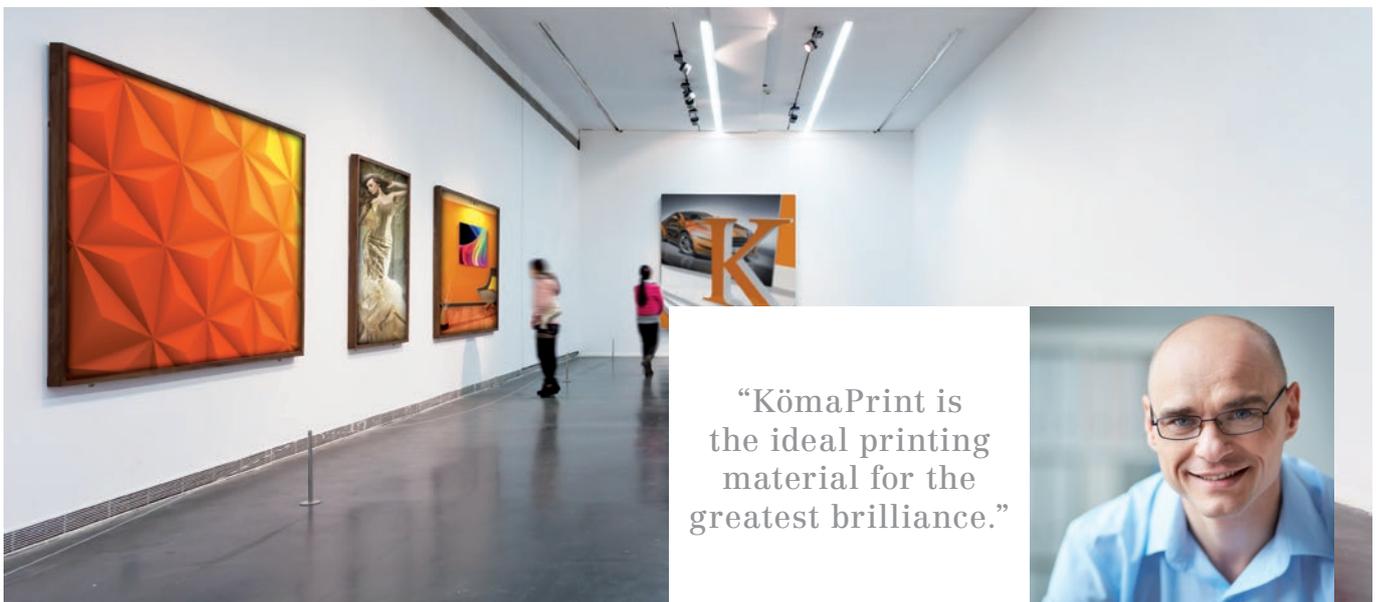


### Other



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
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

## 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

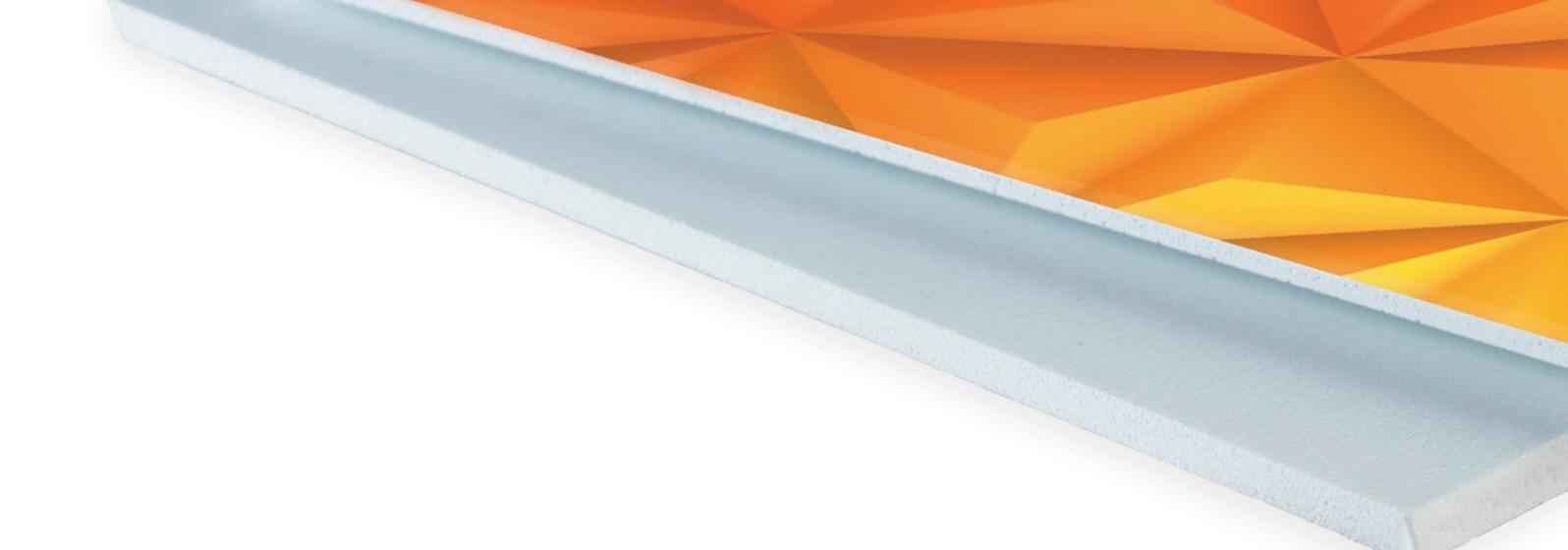
In line with our environmental guidelines, KÖMMERLING PVC-U sheets are safe for humans and the environment during their manufacture, use, and dis-

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 53479/ISO 1183	g/cm <sup>3</sup>	~ 0.50
Tensile strength	DIN 53455/ISO 527	MPa	> 10
Elongation at tear	DIN 53455/ISO 527	%	~ 12
Tensile modulus of elasticity	DIN 53457/ISO 527-2/1A/50	MPa	~ 600
Flexural strength	DIN 53452/ISO 178	MPa	~ 20
Impact strength	based on DIN 53452/ISO 179	kJ/m <sup>2</sup>	> 8
Roughness	DIN 4768	µm	< 5
Ball indentation hardness	DIN 53456/ISO 2039-1	MPa	~ 5
Coefficient of linear thermal expansion from -30 °C to +50 °C	DIN 53752	mm/mK	≤ 0.085
Thermal conductivity at room temperature	ISO 22007-4	W/(m*K)	0.07
Deflection temperature	DIN 53461/ISO 75 (process Ae)	°C	~ 58
Vicat A	DIN 53460/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 (D) NFP 92-501 (F)		B1 for 2–5 mm M1 for 2–5 mm
Weather and light fastness according to DIN EN 513 for a period of 3 years.			

Subject to modifications without prior notice.

## VISIT US ON THE INTERNET



Further details on the extensive programme offered by the KÖMMERLING Business Unit Semi-Finished Products can be found here:

[www.komasheets.com](http://www.komasheets.com)

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### Hallmarks:

Highest quality, versatile services, and great expertise in PVC sheet production – the following profine sheets have been awarded the pro-K quality seal: KömaCel, KömaTex, KömaPrint, KömaDur, and KömaDeco.

*With best regards*

# **KÖMA**PRINT®