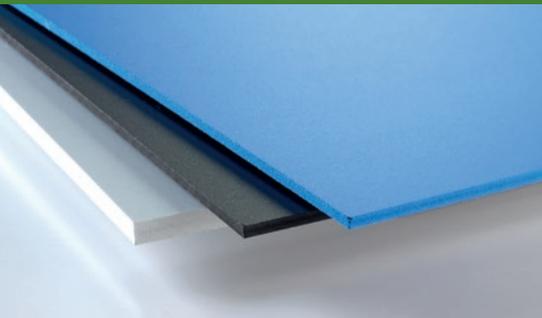


printing

painting

laminating



**KÖMATEX**<sup>®</sup>

The multiflexible free skinfoam  
sheet for advertising



**KÖMMERLING**<sup>®</sup>

*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

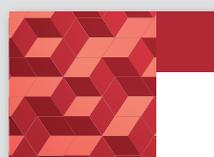
and the needs of its customers. A reliability that engenders trust and, combined with new ideas and pioneering technology, offers new possibilities. The **KÖMMERLING Business Unit Sheets** and its extensive portfolio simply deserve to lead the segment for PVC sheets. Always endeavouring to keep on the 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



KömaTex: the multiflexible sheet from printing to shop design.

# *The perfect solution*

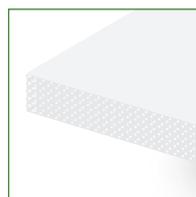
## for many applications

**KömaTex free-foam PVC sheets exhibit a highly regular, fine-celled foam structure and a good surface strength. The closed, matt, fine-textured, and high-quality surface presents an excellent substrate for printing, painting, and laminating and is very easy to process.**

Excellent properties offering the best conditions for great design potential. KömaTex is therefore a highly interesting solution above all for advertising and building applications. Whether for signs, banners, or displays – for shop or stand design: KömaTex is the right choice. In the colour white 662 (similar to RAL 9003), the sheets are even weatherproof and weather resistant, making them the ideal material for outdoor applications as well.

### **KömaTex samples:**

We'll be pleased to send you on request our KÖMMERLING KömaTex samples free of charge.  
Email: [info@komasheets.com](mailto:info@komasheets.com)



### **Consistency:**

- Regular, fine-celled foam structure
- Good surface strength
- Matt, fine-textured surface

# The material

## for a successful show

KömaTex is the perfect material for realising creative ideas.

### ■ Advertising sector



Thanks to its wide range of representative properties and ease of processing, KömaTex is ideal for signs, banners, inscription panels, displays, shop window decorations, exhibition stands, showrooms, direct digital printing, and photo laminations.

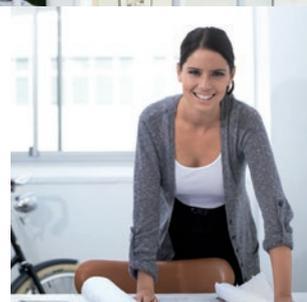
### ■ Building sector



Also the building sector appreciates the lightweight, weatherproof KömaTex free-foam PVC sheet and its ease of processing for shop and interior finishing. Its range of applications include model building, shop and interior finishing, and building site signage.



“KömaTex unites all of the positive properties of an advertising medium in the one sheet.”



**Martina D.**  
Interior architect

## Delivery programme

| Dimensions (mm) | White 662 in the thicknesses (mm) | Colours in the thicknesses (mm) | Piece/pallet |
|-----------------|-----------------------------------|---------------------------------|--------------|
| 2440 x 1220     | 1                                 |                                 | 200          |
| 3050 x 1220     | 1                                 |                                 | 200          |
| 3050 x 1560     | 1                                 |                                 | 150          |
| 2440 x 1220     | 2                                 |                                 | 140          |
| 3000 x 1000     | 2                                 |                                 | 140          |
| 3050 x 1220     | 2                                 |                                 | 140          |
| 3050 x 1560     | 2                                 |                                 | 140          |
| 3050 x 2050     | 2                                 |                                 | 90           |
| 2440 x 1220     | 3                                 |                                 | 125          |
| 3000 x 1000     | 3                                 |                                 | 125          |
| 3050 x 1220     | 3                                 | 3                               | 125/80       |
| 3050 x 1560     | 3                                 |                                 | 100          |
| 3050 x 2050     | 3                                 |                                 | 80           |
| 4050 x 2050     | 3                                 |                                 | 50           |
| 2440 x 1220     | 4                                 |                                 | 100          |
| 3000 x 1000     | 4                                 |                                 | 100          |
| 3050 x 1220     | 4                                 |                                 | 90           |
| 3050 x 1560     | 4                                 |                                 | 70           |
| 3050 x 2050     | 4                                 |                                 | 70           |

Sheets have a protective film on one side.

| Dimensions (mm) | White 662 in the thicknesses (mm) | Colours in the thicknesses (mm) | Piece/pallet |
|-----------------|-----------------------------------|---------------------------------|--------------|
| 2440 x 1220     | 5                                 |                                 | 90           |
| 3000 x 1000     | 5                                 |                                 | 90           |
| 3050 x 1220     | 5                                 | 5                               | 70/50        |
| 3050 x 1560     | 5                                 |                                 | 60           |
| 3050 x 2050     | 5                                 |                                 | 60           |
| 4050 x 2050     | 5                                 |                                 | 30           |
| 2440 x 1220     | 6                                 |                                 | 75           |
| 3000 x 1000     | 6                                 |                                 | 75           |
| 3050 x 1220     | 6                                 |                                 | 60           |
| 3050 x 1560     | 6                                 |                                 | 50           |
| 3050 x 2050     | 6                                 |                                 | 50           |
| 4050 x 2050     | 6                                 |                                 | 25           |
| 3050 x 1220     | 8                                 | 8                               | 50/50        |
| 3050 x 1560     | 8                                 |                                 | 50           |
| 3050 x 2050     | 8                                 |                                 | 30           |
| 4050 x 2050     | 8                                 |                                 | 20           |
| 3050 x 1220     | 10                                |                                 | 50           |
| 3050 x 1560     | 10                                |                                 | 40           |
| 3050 x 2050     | 10                                |                                 | 30           |
| 4050 x 2050     | 10                                |                                 | 20           |
| 3050 x 1220     | 15                                |                                 | 20           |

## Standard colours



White 662  
similar to RAL 9003



Agate grey 140  
similar to RAL 7038



Grey 191  
similar to RAL 7037



Red 491  
similar to RAL 3000



Green 591  
similar to RAL 6024



Signal yellow 750  
similar to RAL 1003



Yellow 791  
similar to RAL 1018



Navy blue 850  
similar to Pantone 288 C



Blue 891  
similar to Pantone 300 U



Black 991  
similar to RAL 9011

Permitted colour difference according to DIN 6174, colour white  $\Delta E \leq 1.3$  CIELAB units.

Permitted colour difference according to DIN 6174, colour  $\Delta L + \Delta H \leq \pm 1.5$  CIELAB units.

The colour White 662 is especially suitable for outdoors. Colour PVC sheets are not UV and weather resistant over protracted periods. The colours are suitable for indoors only.



# The features

## of the multiflexible KömaTex sheet



Uniformly and finely structured surface



Lightweight



Fine-celled foam structure



Flame resistant



Good surface strength



Thermoformable



Excellent printing qualities



Chemical and corrosion resistant



Good for laminating



Weatherproof and weather resistant (Colour white 662)



Very good for bonding



Low water absorption



Ideal for punching work



Low thermal conductivity



Simple processing



100% recyclable

### ■ Excellent processing properties for realising your ideas

#### **Machining**

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

#### **Forming**

Deep and stretch drawing, folding, punching, bending, 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

| Mechanical properties         | Test method             | Unit              | Value           |               |                |
|-------------------------------|-------------------------|-------------------|-----------------|---------------|----------------|
| Density                       | DIN EN ISO 1183         | g/cm <sup>3</sup> | ~ 0.60          |               |                |
| Tensile strength              | DIN EN ISO 527          | MPa               | > 12            |               |                |
| Elongation at tear            | DIN EN ISO 527          | %                 | ~ 15            |               |                |
| Tensile modulus of elasticity | DIN EN ISO 527-2/1A/50  | MPa               | ~ 800           |               |                |
| Flexural strength             | DIN EN ISO 178          | MPa               | > 25            |               |                |
| Impact resistance             | based on DIN EN ISO 179 | kJ/m <sup>2</sup> | > 10            |               |                |
| Roughness                     | DIN EN ISO 4288         | µm                | 1-3 mm<br>≤ 3,5 | 4-6 mm<br>≤ 5 | 8-15 mm<br>≤ 6 |
| Ball indentation hardness     | DIN EN ISO 2039-1       | MPa               | ~ 6             |               |                |

| Thermal properties  | Test method                  | Unit    | Value   |
|---|------------------------------|---------|---------|
| Deflection temperature  | DIN EN ISO 75 (process Ae)   | °C      | ~ 60    |
| Vicat A   | DIN EN ISO 306 (process A50) | °C      | 74      |
| 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) | 0.08    |

| Other properties  | Test method  | Value   |
|-------------------|--|---|
| Printing/Painting |  | very good   |
| Digital printing  |  | good  |
| Laminating        |  | very good   |
| Colour            |  | 662 similar to RAL 9003, ΔE ≤ 1.3   |
| Deep drawing      |  | conditional   |
| Fire class        | DIN 4102 (DE)<br>DIN EN 13501-1 (EU)<br>NF P 92-501 (FR)<br>UL 94 (USA)<br>BSE 476 : Part 7 (GB) | B1 for 1-6 mm (colour 3+5 mm only)<br>B-s1d0 for 1 mm and C-s3d0 for 2-6, 8, 10 mm<br>M1 for 2-6, 8, 10 mm (colour 3, 5, 8 mm only)<br>V0/5VB for 1-10 mm<br>Class 1 for 6 mm |

Colour white 662 weather and light fastness according to DIN EN 513 for a period of 5 years.  
There may be slight differences depending on the colour. Subject to modification without prior notice.

## Tolerances

| Sheet thickness | Thickness tolerance |                |
|-----------------|---------------------|----------------|
|                 | in mm               | absolute in mm |
| 1 mm            | + 0.10/- 0.00       | 0.10           |
| 2 mm            | ± 0.20              | 0.20           |
| 3 mm            | ± 0.25              | 0.25           |
| 4 mm            | ± 0.30              | 0.30           |
| 5 mm            | ± 0.35              | 0.35           |
| 6 mm            | ± 0.40              | 0.40           |
| 8 mm            | ± 0.50              | 0.40           |
| 10 mm           | ± 0.60              | 0.60           |
| 15 mm           | ± 0.75              | 0.60           |

Length tolerance: - 0/+ 8 mm Width tolerance: - 0/+ 2.5 mm Perpendicularity: 2 mm/m

## Stacking height of pallets

| Format width | Maximum stacking height |
|--------------|-------------------------|
| 1000 mm      | 3.00 m                  |
| 1220 mm      | 4.00 m                  |
| 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.

## Storage instructions

Always store KömaTex 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.



KömaTex has been EN ISO 9001 certified according to the criteria of our quality assurance system.

## VISIT US ON THE INTERNET



Further details on the extensive programme offered by the KÖMMERLING Business Unit Sheets can be found here:

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

## profine GmbH BUSINESS UNIT SHEETS

Zweibrücker Str. 200 · 66954 Pirmasens/Germany  
Phone +49 (0) 6331 56-0 · Fax +49 (0) 6331 56-2155  
[info@komasheets.com](mailto:info@komasheets.com) · [www.komasheets.com](http://www.komasheets.com)



### 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*

# KÖMATEX®