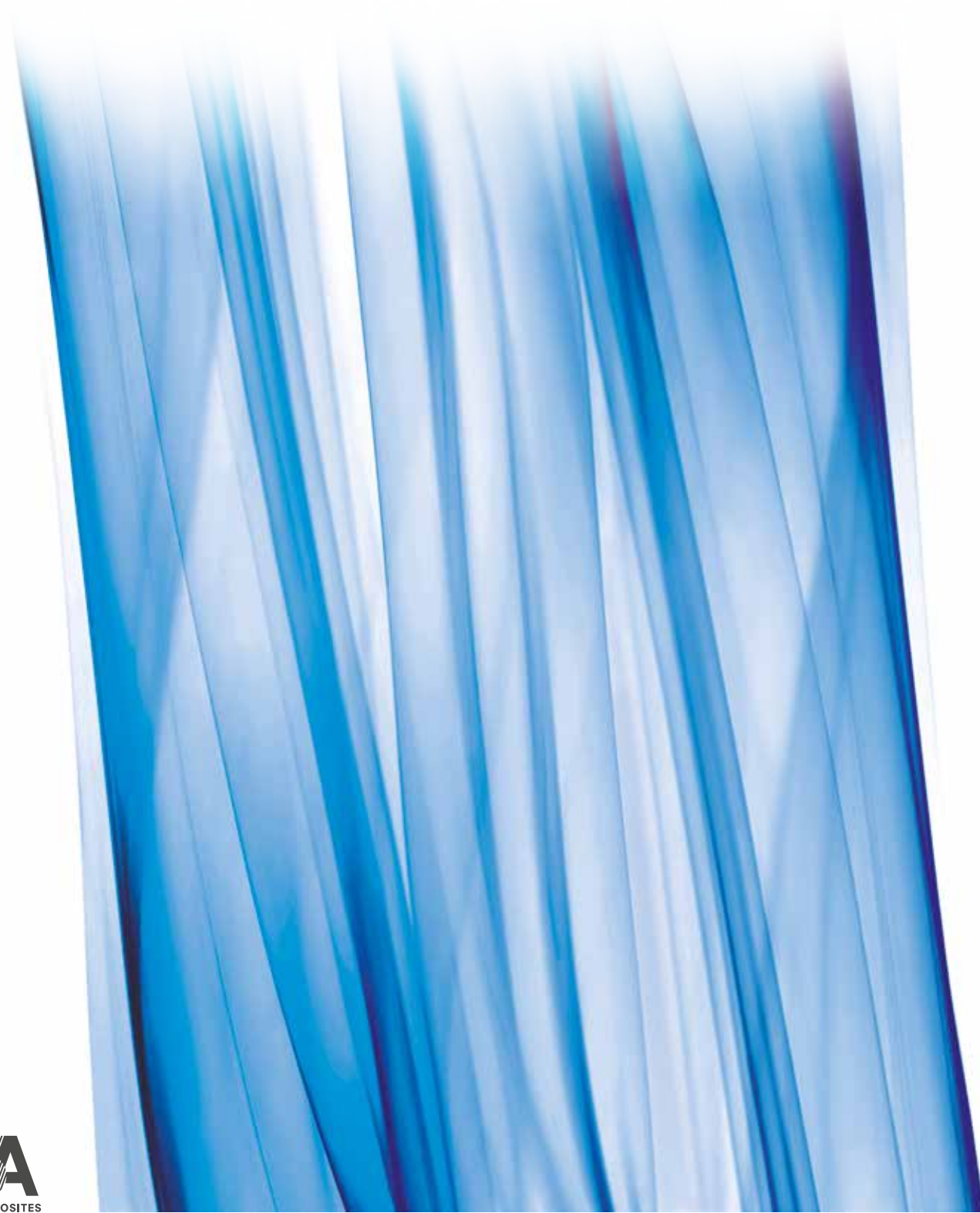




**KAPA<sup>®</sup>**

PRODUCT GUIDE

CREATIVITY MADE EASY.





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## KAPA®

KAPA® is a high-quality lightweight foamboard with a polyurethane foam core and individual paper cover layers. For the most part, the paper used in our production is already FSC® certified (FSC® C127595).

The perfectly coordinated range of different cover layers is designed for all types of interior applications in visual communication. KAPA® offers a wide variety of formats and thicknesses between 3 mm and 20 mm and is easy to process. This means it is not only suitable for shop window displays, interior design or POS/POP applications, but also for model making, for high-calibre museum exhibits and as an ideal substrate for prints and advertising messages.

KAPA® delivers the highest aesthetic standards in architectural and design development. Used as a mounting or presentation board, its varied surfaces of the cover layers create attractive contrasts. When creating visualisations of spectacular designs, from miniscule to immense, ultra-light and 3-D formable KAPA® is the ideal construction material – as it has been for over 50 years!

Sustainable involvement and environmental protection have always been amongst the essential corporate objectives at 3A Composites. The minimisation of risks for man and environment as well as the reduction of environmental pollution through careful and efficient utilisation of resources is part of the corporate philosophy.

Our production site in Osnabrück, Germany is certified to DIN EN ISO 14001, the standard defining internationally recognised requirements for environmental management. In addition, one of our key aims is the strong linkage of the management systems for quality (DIN EN ISO 9001), health and safety (DIN ISO 45001) and energy management (DIN EN ISO 50001). The site has also gone through all the stages of FSC® certification (GFA-COC-002828). The production process, audited by FSC®, ensures that only FSC® certified paper is used in the production and that non-certified, i.e. paper which has not been monitored, is not included.

Ongoing efforts to reduce CO<sub>2</sub> emissions by scaling back energy and water consumption, increasing productivity and avoiding waste are being made at the KAPA® production site. CO<sub>2</sub> emissions and energy consumption have been successfully reduced by more than 50% since 2014. In this same period, 45% less waste has been generated. We have been using green electricity at our production site for several years; 100% of this electricity is from hydropower and has been labelled as certified sustainable since 2019.

We have also set ourselves the goal of reducing packaging materials: the proportion of packaging materials containing plastic has been reduced by a third since 2018. KAPA® boards are packed with great care; most of the packaging material is already 100% recycled material.

KAPA® foamboards are subject to the highest quality standards and stringent monitoring during production. Our top priority is to ensure that KAPA® foamboards do not contain any hazardous substances.

Read more about our commitment to sustainability starting on page 10.

KAPA® – CREATIVITY MADE EASY.

CREATIVITY MADE EASY.

**CHARACTERISTICS**

- Excellent flatness and good dimensional stability combined with high rigidity and low weight
- 3-D formable
- Highest aesthetic standards
- Varied surfaces create attractive contrasts in digital printing and screen printing
- Also available in 2 metres width

**APPLICATION**

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Partitions | Cladding
- Exhibition design and construction
- Model making
- Short term promotional campaigns

**PROCESSING**

- Digital printing | Screen printing
- Laminating
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Punching
- Gluing
- Drilling
- Folding (V-groove)



For more details on the processing of KAPA®, please contact our technical team.

PRODUCTS		KAPA®line					KAPA®bright			KAPA®plast						
<b>DIMENSIONS AND WEIGHT</b>																
Thickness	mm	3	5	10	15	20	5	10	3	5	10	15	19			
Weight per unit area	EN 29073-1 g/m <sup>2</sup>	506	582	798	1037	1268	780	1010	745	845	1070	1245	1450			
Sheet sizes	mm	as per delivery programme														
Sheet width tolerance	mm	± 1														
Sheet length tolerance	mm	± 1 – 10														
Sheet thickness tolerance	mm	± 0,6														
Tolerance in right angle	mm/m	± 1														
<b>CORE</b>																
Rigid foam		polyurethane natural-coloured			polyurethane white			polyurethane grey or white								
Closed cell structure	%	>92			>92			>92								
<b>SURFACE</b>																
Layers		coated folding boxboard			bright white and wood-free paper			plastic-coated paperboard with primer finish								
Colour value	CIELAB	L* = 91,5   a* = 0,83   b* = 2,9			L* = 93,5   a* = -1,0   b* = 1,6			L* = 95,5   a* = -0,41   b* = +1,02								
<b>TECHNOLOGICAL VALUES</b>																
Compression strength at 10% compression	EN ISO 844	MPa	0,09	0,17	0,39	0,48	0,40	0,14	0,34	white	-	0,40	0,40	-	0,30	
										grey	0,40	0,40	0,39	0,39	0,30	
Compressive modulus	EN ISO 844	MPa	0,79	2,04	5,57	8,89	7,89	1,90	4,50	white	-	7,21	7,01	-	7,59	
										grey	5,58	7,88	7,97	16,27	7,59	
Bending strength	EN 310	N/mm <sup>2</sup>	4,87	4,27	2,29	1,55	1,20	6,6	3,30	white	-	6,42	3,58	-	1,67	
										grey	11,02	6,83	3,25	1,98	1,67	
pH-value (Neutral = 7)	ISO 6588		8,1					7,5			7,76					
PAT* (Photographic Activity Test)	ISO 18916		-					-			white	passed				
											grey	passed				
<b>THERMAL PERFORMANCE</b>																
Processing temperature	continuous	°C	-20 up to 100						-20 up to 100							
Processing temperature	short-term	°C	up to 160						up to 130							

\*IPI Rochester

Note: These technical data of our products are typical ones for KAPA®. The actually measured values are subject to production variations.



PRODUCTS		KAPA <sup>®</sup> tex	KAPA <sup>®</sup> color		KAPA <sup>®</sup> graph					
<b>DIMENSIONS AND WEIGHT</b>										
Thickness	mm	5	10	3	5	3		5	10	
Weight per unit area	EN 29073-1	g/m <sup>2</sup>	695	910	775	870	white	605	715	940
							black	–	730	–
Sheet sizes	mm	as per delivery programme								
Sheet width tolerance	mm	± 1								
Sheet length tolerance	mm	± 1 – 10								
Sheet thickness tolerance	mm	± 0,6								
Tolerance in right angle	mm/m	± 1								
<b>CORE</b>										
Rigid foam		polyurethane white	polyurethane black	polyurethane white						
Closed cell structure	%	>95	>95	>95						
<b>SURFACE</b>										
Layers		embossed, latex-impregnated paper	plastic-coated paperboard (grey/black)	white	fine cellulose white layers					
				black	fine premium-quality black paper					
Colour value	CIELAB	L* = 94   a* = -0,8   b* = 3,6	–	white	L* = 97   a* = -0,2   b* = 1,8					
<b>TECHNOLOGICAL VALUES</b>										
Compression strength 10% compression set	DIN 53421	N/mm <sup>2</sup>	0,2	0,4	0,08	0,19	white	0,1	0,25	0,37
							black	–	0,3	–
Elastic modulus (E-Modul)	DIN 53421	N/mm <sup>2</sup>	2,8	5,8	2,85	5,82	white	2,2	3,2	5,0
							black	–	4,0	–
Bending strength	DIN 53423	N/mm <sup>2</sup>	2,6	1,5	9,32	4,97	white	8,1	4,5	2,5
							black	–	4,7	–
pH-value (Neutral = 7)	DIN 53124		8,5		8,3		white	8,1		
							black	8,2		
PAT* (Photographic Activity Test)	ISO 18916		–		–		white	passed		
							black	–		
<b>THERMAL PERFORMANCE</b>										
Processing temperature	continuous	°C	-20 up to 100	-20 up to 100	-20 up to 100					
Processing temperature	short-term	°C	up to 130	up to 160	up to 160					

\*IPI Rochester

Note: These technical data of our products are typical ones for KAPA<sup>®</sup>. The actually measured values are subject to production variations.

PRODUCTS		KAPA <sup>®</sup> mount	KAPA <sup>®</sup> fix					
<b>DIMENSIONS AND WEIGHT</b>								
Thickness	mm	5	10	3		5	10	
Weight per unit area	EN 29073-1	g/m <sup>2</sup>	870	1070	fix 1	900	970	1185
					fix 2	–	1070	1258
Sheet sizes	mm	as per delivery programme						
Sheet width tolerance	mm	± 1						
Sheet length tolerance	mm	± 1 – 10						
Sheet thickness tolerance	mm	± 0,6						
Tolerance in right angle	mm/m	± 1						
<b>CORE</b>								
Rigid foam		polyurethane grey						
Closed cell structure	%	>92	>90					
<b>SURFACE</b>								
Layers		aluminum-reinforced, paperboard covering layers	aluminum-reinforced, paperboard covering layers, one side (fix-1) or both sides (fix-2) self-adhesive					
Colour value	CIELAB	L* = 85,9   a* = -0,1   b* = 1,8	–					
<b>TECHNOLOGICAL VALUES</b>								
Compression strength at 10% compression	EN ISO 844	MPa	0,30	0,40	fix-1	0,10	0,15	0,38
					fix-2	–	0,22	0,45
Compressive modulus	EN ISO 844	MPa	2,70	5,50	fix-1	1,13	1,50	5,17
					fix-2	–	2,60	5,42
Bending strength	EN 310	N/mm <sup>2</sup>	5,90	3,30	fix-1	7,80	6,20	3,40
					fix-2	–	6,40	3,20
pH-value (Neutral = 7)	ISO 6588		8,4		fix-1	8,5**		
					fix-2	8,3**		
PAT* (Photographic Activity Test)	ISO 18916		–		fix-1	passed		
					fix-2	not tested		
<b>THERMAL PERFORMANCE</b>								
Processing temperature	continuous	°C	-20 up to 100					
Processing temperature	short-term	°C	up to 130					
<b>FIRE BEHAVIOR</b>								
	EN 13501-1		E	–				
	BS 476 Part 7		Class 1	–				
	DIN 4102		–	fix-1	B2			

\*IPI Rochester

\*\*measured without protective film

Note: These technical data of our products are typical ones for KAPA<sup>®</sup>. The actually measured values are subject to production variations.

# SUSTAINABILITY

MISSION: TOGETHER. RESPONSIBLE.

Sustainability is at the core of everything we do. Our corporate ecological commitment is summed up by the **MISSION: TOGETHER. RESPONSIBLE.** As we also apply and comply with this mission in regard to our products, we have created a classification system. The five different categories in our **FIVE-DOT-MISSION** system indicate the factors with the greatest impact on sustainability. Our intention is to offer our partners guidance with their purchasing decision-making and to provide a transparent system. A system which focuses on the use of materials, the CO<sub>2</sub> content, the product life cycle and, of course, recycling, a topic of particular relevance for our products. Our FIVE-DOT-MISSION makes an assessment of a product on the basis of five categories and awards points per category, the product is then assigned to one of the five coloured DOTs. By this means we achieve a transparent, quick valuation logic which we can also use to gauge product innovation and improvement at 3A Composites.

## THE FIVE-DOT CATEGORIES ARE:

**1. BIOBASED CONTENT**  
Depending on the product, different raw materials are used to manufacture our panels. In this case, we look at the percentage of renewable raw materials used in our products. Our aim is to increase the percentage whenever possible and appropriate.

**2. RECYCLED CONTENT**  
The industry selects recycled raw materials for use in the manufacture of new products which also fulfil requirements such as fire ratings, processing prerequisites and customer expectations in terms of functionality and appearance. This category is where we gauge the proportion of high quality recycled raw material in our products' total material input.

**3. FOSSIL CO<sub>2</sub> BOUND IN THE MATERIAL**  
This category shows the weight of fossil CO<sub>2</sub> embedded in our panels. Differences here are principally due to the raw material type and origin, the density, the composition and the proportion of recycled content.

**4. PRODUCT LIFE CYCLE**  
The plastic sheets and composite panels we produce are used by our customers for a longer period of time. In contrast to products used in the short term, these longer-term alternatives make an active contribution to saving resources. In this category we show our panels' average service life. Material properties result in disparities, so life cycles range from <1 year to even >30 years.

**5. RECYCLABILITY**  
One of the most important aspects of sustainability is contributing to environmental protection by saving valuable raw materials and avoiding waste. Unlike the second category "recycled content", in this assessment category, we show options for recycling the panels after they have been in use. There are already, for instance, established recycling loops for paper and metals. At some production sites, the material can already be returned, so that material for new panels can be created from it. As a company, we came to the conclusion that thermal recycling does not seem sustainable enough, so it is not included in our FIVE-DOT classification. Instead, we are actively working with partner companies to establish a closed-loop, sustainable and future-oriented recycling economy.

As many as 3 points can be achieved in each of the categories presented, totalling a maximum of 15 points. According to the total number of points achieved (1-15), the FIVE-DOT classification is conducted using the following colour gradation.



Transparency is important to us! We will review the product assessment annually to see in which areas the product can be improved. We have set ourselves the goal of achieving the majority of our sales with products which achieve a rating of ≥ 7 points in the FIVE-DOT classification by 2030.

Join us on our sustainable mission!



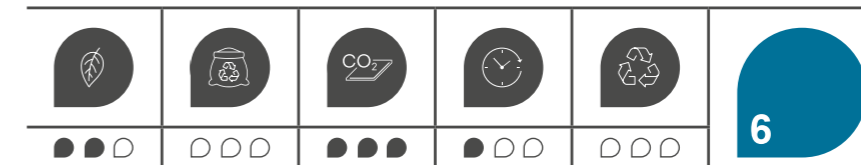


# SUSTAINABILITY

## KAPA® FIVE-DOT-MISSION

KAPA®, the unique lightweight foamboard with a polyurethane foam core and individual paper cover layers, has been assessed in line with the criteria described above. The product family currently achieves a FIVE-DOT classification of 6 points in total.

KAPA®line | KAPA®bright | KAPA®plast | KAPA®tex | KAPA®color  
KAPA®graph | KAPA®mount | KAPA®fix



**BIOBASED CONTENT**  
Not only polyurethane but also an assortment of paper cover layers is used in the production of our KAPA®, foamboard manufacture. The expanded polyurethane foam core comprises 15% of organic content. These polyols are sourced from renewable raw materials. In the production of our KAPA® boards most of the paper used is FSC® certified and this makes up the main part of the board. The FSC® label stands for a continuous and credible tracking process. It is a clear indicator that the paper comes from responsible forestry or from other controlled sources. We are constantly monitoring the availability of other FSC® certified cover layers, as we are committed to manufacturing as many products as possible using paper from responsible sources.

All raw materials used in our KAPA® boards also comply with the requirements in the current version of the European Union's Chemicals Regulation (REACH). In particular, KAPA® boards are free of any of the substances listed in the current version of the ECHA Candidate List of Substances of Very High Concern (SVHC). The boards do not contain any toxic substances or heavy metals that may harm the environment or create health risks.

**FOSSIL CO<sub>2</sub> BOUND IN THE MATERIAL**  
KAPA® is ultra-light due to the special manufacturing technology featuring an expanded foam core between the two outer paper cover layers. As the foam core requires fewer resources to manufacture, the material has a lower carbon footprint. Using paper, a renewable raw material, as the main component in terms of weight results in less fossil CO<sub>2</sub> bound in the material.

**PRODUCT LIFE CYCLE**  
The average life span for KAPA® foamboards ranges from several weeks to several months. Depending on the application and location, e.g. in museums, the foamboards' service life can be considerably longer. KAPA® is more durable than other lightweight foamboards especially when service temperatures are at a consistent -20° to +100°C. The KAPA® product family has been successful in the market for over 50 years and is simply indispensable for numerous short-term and medium-term interior applications.

Draw inspiration from our wide variety of KAPA® foamboards shown on the following pages and enjoy the endless, creative applications they offer.







## KAPA®line

### THE CLASSIC ALL-ROUNDER.

KAPA®line is a lightweight foamboard with covering layers in coated cartonboard and a polyurethane foam core. KAPA®line multipurpose board is the KAPA® product portfolio's all-rounder. For the production of KAPA®line we solely use FSC®-certified paper cover layers.

The boards make an outstanding substrate for both digital and screen printing, and for decorative applications, model making and die-cutting. They are ideally suitable as mounting or presentation boards for all creative activities. Particularly in the field of architecture, KAPA®line has been successfully employed in creating models for many years. In addition, mounting or laminating prints, images or plans onto KAPA®line is trouble-free, and the lightweight foamboards are also ideal as a material for all direct paint application techniques.

Maxi format KAPA®line, measuring 3,050 x 2,030 mm (or 6.2 m<sup>2</sup>), also makes a positive impression. KAPA®line weighs in at just 4,000 grams with a board thickness of 5 mm. The large format is a bonus especially in the digital printing sector, delivering the best possible conditions for a more cost-effective printing process. The combination of low weight and high strength are the defining qualities of KAPA®line foamboard.

#### CHARACTERISTICS

- Multipurpose board
- High rigidity and low weight
- Covering layers FSC® certified
- Also available in maxi format with a width of up to 2 metres

#### PROCESSING

- Digital printing | Screen printing
- Laminating
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Punching
- Gluing
- Drilling
- Folding (V-groove)

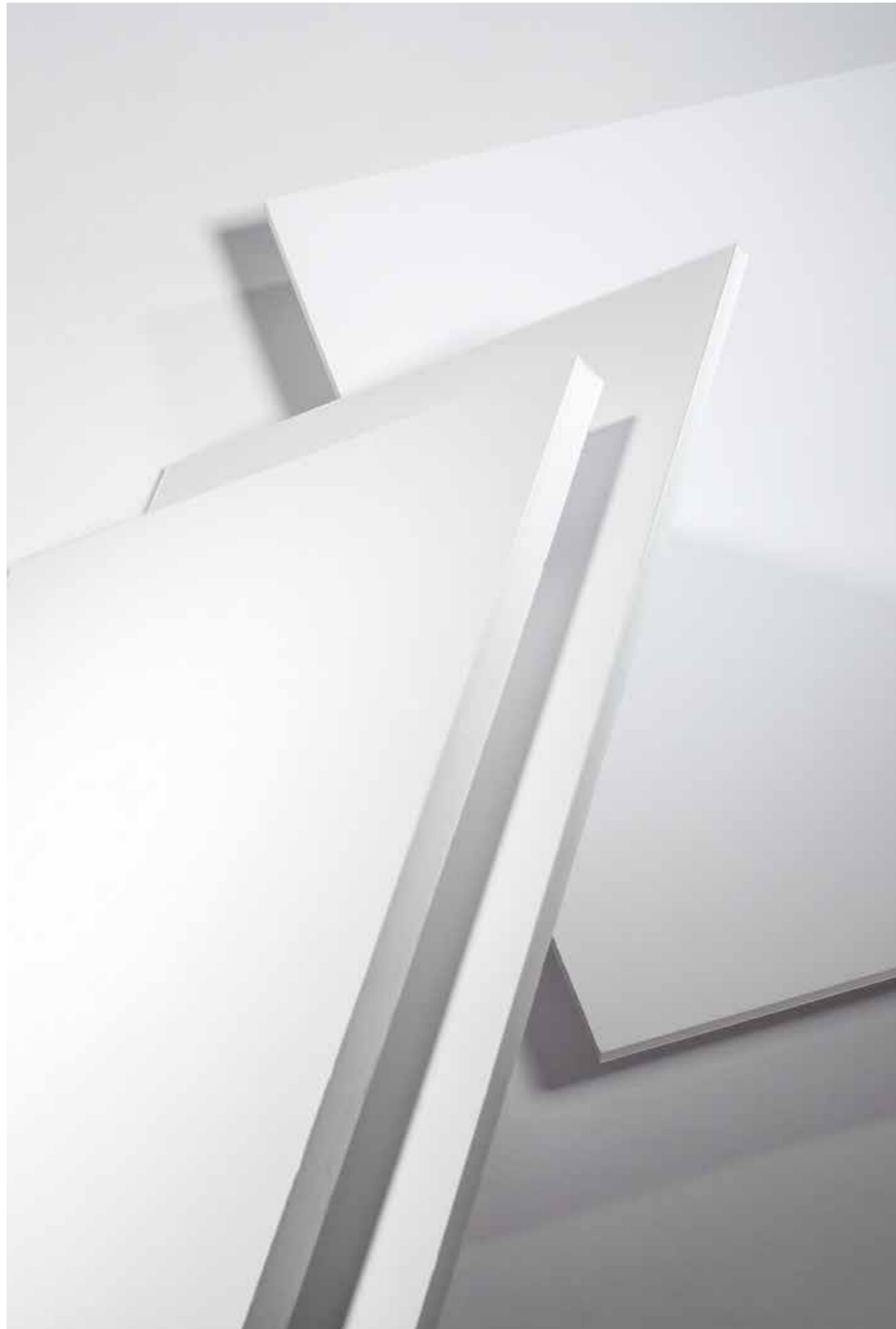
#### APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Exhibition design and construction
- Model making
- Short term promotional campaigns



White





# KAPA®bright

BRIGHT WHITE FOR PERFECT PRINT RESULTS.

KAPA®bright is a lightweight foamboard with bright white covering layers in matt-coated, wood-free paper and a matching white polyurethane foam core. The surfaces, in brilliant white with a natural sheen, are captivating. KAPA®bright provides excellent flatness and good dimensional stability combined with high rigidity. A large proportion of the paper used for the covering layers in the manufacture of KAPA®bright has been FSC® certified.

KAPA®bright sheets are a first-rate direct digital printing or screen printing substrate. Thanks to the exceptionally white surfaces, images of any kind are reproduced without the colours being affected. The slight sheen ensures high contrast, intensity and brilliance, so prints make a big impact.

As a substrate for promotional displays at POS/POP, as a presentation board or for signage of all kinds – KAPA®bright offers an impressive variety of different formats to cater for a wide range of applications.

## CHARACTERISTICS

- Exceptionally white surfaces
- High contrast thanks to a natural sheen
- Color-neutral reproduction of the prints
- Covering layers mostly FSC® certified

## PROCESSING

- Digital printing | Screen printing
- Laminating
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Gluing
- Drilling
- Folding (V-groove)

## APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Exhibition design and construction
- Short term promotional campaigns



White



# KAPA<sup>®</sup>plast

## PREMIUM DIRECT PRINTING BOARD.

KAPA<sup>®</sup>plast is a lightweight foamboard with a polyurethane foam core and white, plastic-coated paperboard covering layers (primer finished) on both sides. Most of the paper covering layers used in the manufacture of KAPA<sup>®</sup>plast are already FSC<sup>®</sup> certified. The primer finish ensures super printability and crisp images, yielding excellent printing results. In addition, thanks to the coating on the covering layers, KAPA<sup>®</sup>plast is moisture repellent and wipeable.

This makes KAPA<sup>®</sup>plast the premium direct printing substrate for both digital and screen printing. It is also an ideal mounting and presentation board for all kinds of design work and is suitable for model making or as a decoupage board for 3-D logos/lettering. KAPA<sup>®</sup>plast is a popular choice for applications on exhibition stands, as part of window displays, as POS/POP displays and for signage. Due to its special surface texture, even short-term outdoor applications are possible with KAPA<sup>®</sup>plast. Once the edges of the foamboard are covered by edge protecting profiles, KAPA<sup>®</sup>plast can be used outdoors for up to 3 months, depending on ambient climatic conditions. We recommend carrying out the appropriate tests under real conditions before final use.

Large-format foamboards, measuring up to 2030 mm in width, are especially valuable in the printing sector as they ensure a more cost-effective printing process. KAPA<sup>®</sup>plast boards more than fulfil the most stringent quality requirements. Their dimensional stability and excellent flatness along with smooth, clean-cut edges, make them indispensable for high calibre printing. KAPA<sup>®</sup>plast displays its excellent ink adhesion and fine colour graduation in printed images when using UV-curing or solvent-based inks. In addition, applying foil to KAPA<sup>®</sup>plast produces superb results.

KAPA<sup>®</sup>plast is available in the standard version with a grey foam core; but in a version with a white foam core.

### CHARACTERISTICS

- Excellent printing results and crisp images due to primer finish
- Covering layers are moisture repellent and wipeable
- Mostly FSC<sup>®</sup> certified paper covering layers
- Available in large-format up to 2 metres wide

### PROCESSING

- Digital printing | Screen printing
- Laminating
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Punching
- Gluing
- Drilling
- Folding (V-groove)

### APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Exhibition design and construction
- Model making
- Short term promotional campaigns



White





## KAPA<sup>®</sup>tex

### CANVAS LOOK FOR STUNNING VISUAL EFFECTS.

KAPA<sup>®</sup>tex is a lightweight foamboard with high-quality, textured covering layers on both sides and a polyurethane foam core. The canvas look surfaces, comprising embossed, latex-impregnated paper with a primer finish, create an optimum substrate for finely graded printed images. The impressive three-dimensional effect gives images and prints additional visual depth.

The boards deliver excellent flatness as well as high dimensional stability and are solvent-resistant. The sheet combines the advantages of a sandwich material - lightweight, rigid, easy handling - with the look and feel of canvas.

KAPA<sup>®</sup>tex is a premium board ideally suited to high-class applications including advertising signage and large-format image campaigns - printed using direct digital printing or screen printing - and to top-quality POS/POP advertising displays or as a robust canvas look painting surface.

KAPA<sup>®</sup>tex foamboards, as experience with KAPA<sup>®</sup> products has shown, are easy to process manually, the foam does not crumble and solvent-based paints or adhesives can be used without problems. By cutting a V-groove in KAPA<sup>®</sup>tex foamboards and then folding them, three-dimensional (picture) frames can be created.

#### CHARACTERISTICS

- The look and feel of a canvas
- Printed images are given a three-dimensional effect and visual depth
- Excellent flatness as well as high dimensional stability
- 3-Dimensionally formable, e.g. into (picture) frames

#### PROCESSING

- Digital printing
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Punching
- Gluing
- Drilling
- Folding (V-groove)

#### APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Exhibition design and construction
- Short term promotional campaigns



Canvas



# KAPA®color

THE LIGHTWEIGHT FOAMBOARD WITH COLOURED COVERING LAYERS.

KAPA®color is a lightweight foamboard with coloured, plastic-coated paperboard covering layers and a black polyurethane foam core. The foamboards available from stock are either black on both sides or a bi-colour option (grey/black). Other combinations are available on request.

KAPA®color is used as a mounting board for all types of creative work or alternatively for model building and presentation boards. The bi-colour option creates especially attractive contrasts and the foamboards are a clear favourite of designers and architects for design presentations.

## CHARACTERISTICS

- Both sides black or grey/black (bi-colour) plastic-coated paperboard covering layers
- The bi-colour option creates attractive contrasts

## PROCESSING

- Digital printing | Screen printing
- Laminating
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Punching
- Gluing
- Drilling
- Folding (V-groove)

## APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Exhibition design and construction
- Model making
- Short term promotional campaigns



Black | Black



Grey | Black





# KAPA<sup>®</sup>graph

THE LIGHTWEIGHT FOAMBOARD FOR GRAPHICS.

KAPA<sup>®</sup>graph is a lightweight foamboard with bright white or black acid-free paperboard covering layers on both sides and a matching polyurethane foam core.

KAPA<sup>®</sup>graph, a designer board selected for all types of creative work, is often used in model making and handicrafts. Over the years, it has also gained great popularity as a high-quality passe-partout and as a presentation or mounting board.

Creative minds are captivated by the matt-velvety, unvarnished surface which provides a great base for design work of all kinds. KAPA<sup>®</sup>graph boards can be easily processed with standard adhesives and paints. In addition, die-cutting KAPA<sup>®</sup>graph foamboards delivers excellent results.

## CHARACTERISTICS

- Matt-velvety and unvarnished surfaces
- Available in 2 versions – black and white with matching polyurethane foam cores
- Designer board for types of creative work

## PROCESSING

- Laminating
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Punching
- Gluing
- Drilling
- Folding (V-groove)

## APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Model making
- Short term promotional campaigns



Black



White



# KAPA<sup>®</sup>mount

THE RIGID FOAMBOARD FOR MOUNTING.

KAPA<sup>®</sup>mount is a lightweight foamboard with aluminum-reinforced, paperboard covering layers in white, and a polyurethane foam core.

Thanks to the aluminium-reinforced covering layers, KAPA<sup>®</sup>mount is ideal for cold lamination by machine – even with solvent-based adhesives. Both the board’s outstanding flatness and its rigidity are a major bonus. Small or maxi-sized visuals can be laminated onto the substrate to achieve excellent results.

KAPA<sup>®</sup>mount boards can also be printed using direct digital printing, used as fill-in panels for mobile exhibition stands and display systems, or as frame elements. The boards are flame retardant in compliance with EN 13501-1 and BS 476 part 7 class 1.

## CHARACTERISTICS

- Aluminum-reinforced, paperboard covering layers
- Ideal for cold lamination by machine
- Flame retardant in compliance with EN 13501-1 and BS 476 part 7 class 1
- Excellent flatness and rigidity

## PROCESSING

- Digital printing | Screen printing
- Laminating
- Painting | Spray painting | Lacquering
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Gluing
- Drilling
- Folding (V-groove)

## APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Partitions | Cladding
- Exhibition design and construction
- Short term promotional campaigns



White





## KAPA<sup>®</sup>fix

### THE LIGHTWEIGHT FOAMBOARD WITH SELF-ADHESIVE COVERING LAYERS ON ONE OR BOTH SIDES.

KAPA<sup>®</sup>fix is a lightweight foamboard with self-adhesive, aluminium-reinforced paperboard covering layers on one or both sides and a polyurethane foam core. KAPA<sup>®</sup>fix-1 has a self-adhesive covering layer on one side; KAPA<sup>®</sup>fix-2 is the version with self-adhesive covering layers on both sides.

As a ready-to-laminate substrate, KAPA<sup>®</sup>fix has been developed especially for fast manual and machine lamination. Conventional large photos, digital prints, posters, plans or maps can be laminated onto the board without any problems. But KAPA<sup>®</sup>fix boards can also be used as a mount in other applications such as for fabrics or films, or as fill-in panels for exhibition stands and display systems.

The outstandingly flat boards are rigid and the aluminium-reinforced covering layers mean there is no need to counter-laminate on the reverse side. In addition, thanks to the self-adhesive covering layers, the work process is reduced by one step. KAPA<sup>®</sup>fix-1 boards are flame retardant in accordance with DIN 4102-1:1998-05, building material class B2.

KAPA<sup>®</sup>fix is even suitable for short-term outdoor applications due to the special structure of its covering layers. Once the edges of the foamboard are covered by edge protecting profiles, KAPA<sup>®</sup>fix sheets can be used outdoors for up to 3 months, depending on the ambient climatic conditions. We recommend carrying out the appropriate tests under real conditions before final use.

#### CHARACTERISTICS

- Self-adhesive, aluminium-reinforced paperboard covering layers on one or both sides
- Developed for fast manual and machine lamination
- Suitable for short-term outdoor applications (up to 3 months), once the edges are covered by edge protecting profiles
- KAPA<sup>®</sup>fix-1 flame retardant in accordance with DIN 4102-1:1998-05, building material class B2

#### APPLICATION

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Exhibition design and construction
- Model making
- Short term promotional campaigns

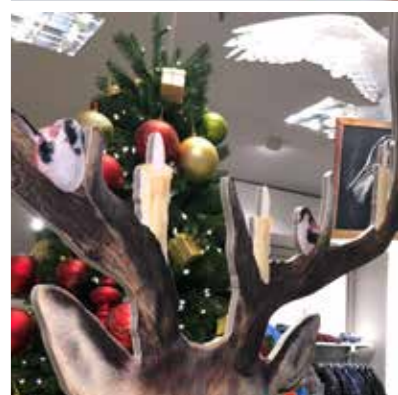
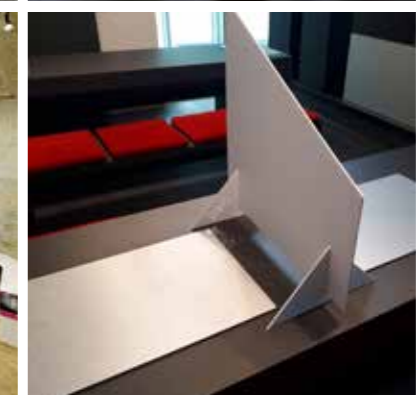
#### PROCESSING

- Laminating
- Cutting | Die cutting | Plotting
- Contour milling
- Water jet cutting
- Sawing
- Gluing
- Drilling

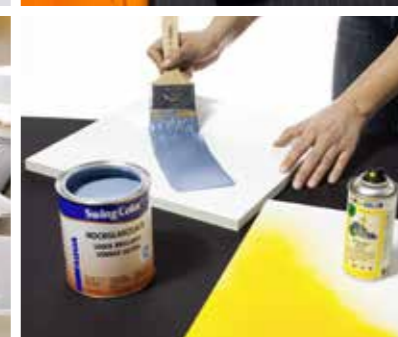
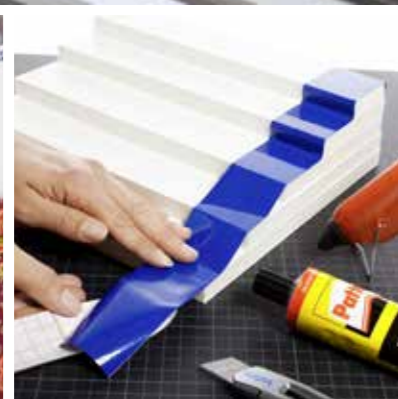
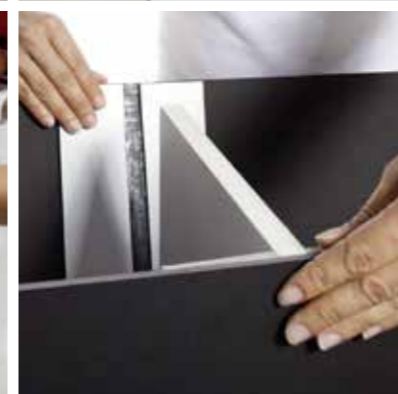


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