

TECHNICAL DATA SHEET

KAPA® MOUNT

DIMENSIONS AND WEIGHT				
Thickness		mm	5	10
Weight per unit area	EN 29073-1	g/m²	870	1070
Sheet sizes		mm	As per delivery programme	
Sheet width tolerance		mm	± 1	
Sheet length tolerance		mm	± 1 - 10	
Sheet thickness tolerance		mm	± 0,6	
Weight per unit area tolerance		g/m²	± 10	
Tolerance in right angle		mm/m	± 1	
CORE				
Rigid foam			Polyurethane grey	
Closed cell structure		%	> 92	
SURFACE				
Layers			Aluminium-reinforced chromo-substitute carton	
Colour value	CIELAB		L*= 85,9 a*=- 0,1 b*= 1,8	
TECHNOLOGICAL VALUES				
Compression strength at 10% compression	EN ISO 844	MPa	0,30	0,40
Compressive modulus	EN ISO 844	MPa	2,70	5,50
Bending strength	EN 310	N/mm²	5,90	3,30
pH-value	ISO 6588		8,4 (Neutral = 7)	
THERMAL PERFORMANCE				
Processing temperature	Continuous	℃	-20 up to 100	
Processing temperature	Short-term	℃	Up to 130	
BEHAVIOUR IN FIRE				
	EN 13501-1		E	
	BS 476 Part 7		Class 1	

Note: The technical data provided here refers to standard values.
Actual measured values may vary slightly due to production factors.
3A Composites does not guarantee the accuracy of the data provided and disclaims liability for damages resulting from its use. Values were determined in accordance with the above-mentioned standards, valid at the time of testing.

PRODUCT INFORMATION

KAPA® MOUNT

Lightweight board with aluminium-reinforced chromo-substitute carton layers. Due to the reinforced cover layers and due to the excellent flatness, KAPA® mount is particularly suitable as substrate for mounting applications. KAPA® mount shows good dimensional stability combined with high rigidity.

Product applications

- Fill-in panel for display systems.
- Mounting board for large photos and digital prints.
- Exhibition construction.
- Printing substrate for direct digital printing.

Product properties

- Suitable for manual and industrial cutting.
- The foam is resistant against nearly all solvents and glues.
- The layers can be processed with standard glues and inks.
- High heat and thermal resistance up to 160 °C (polystyrene starts to melt at 75 °C).

Behaviour in external conditions

- The board is flame retardant, see technical data sheet.
- The foam shows no water absorption.
- The layers only absorb water through unprotected edges.

Storage – Transport – Handling

- KAPA® mount boards must be stored flat and protected from moisture and cold.
- Before processing, the boards require 24 hours to acclimatise to the processing environment.
- In order to avoid soiling surfaces, clean white cotton gloves should be worn.
- The used raw materials comply with the REACH regulation.
- In the context of the intended application, KAPA® mount sheets are non-hazardous for humans and environment.
- KAPA® mount sheets and the cutting waste must be disposed of in accordance with local legislation.

Availability

- Please see our delivery programme for details.

Additional KAPA® documentation

- Product guide
- Safety data sheet
- Delivery programme
- Processing information
- Quality management certification:
DIN ISO 9001:2015, DIN ISO 14001:2015, DIN ISO 45001:2018, DIN ISO 50001:2018
- REACH compliance documents