TECHNICAL DATA SHEET

KAPA®FIX

DIMENSIONS AND WEIGHT						
Thickness		mm		3	5	10
Weight per unit area	EN 29073-1	g/m²	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			
Weight per unit area tolerance		g/m²	--			
Tolerance in right angle		mm/m	± 1			
CORE						
Rigid foam			Polyurethane grey			
Closed cell structure		%	> 90			
SURFACE						
Layers			Aluminium-reinforced chromo-substitute carton, single-sided (fix 1) or double-sided (fix 2) self-adhesive			
TECHNOLOGICAL VALUES						
Compression strength at 10% compression	EN ISO 844	MPa	fix 1	0,10	0,15	0,38
			fix 2	-	0,22	0,45
Compressive modulus	EN ISO 844	MPa	fix 1	1,13	1,50	5,17
			fix 2	-	2,60	5,42
Bending strength	EN 310	N/mm²	fix 1	7,80	6,20	3,40
			fix 2	-	6,40	3,20
pH-value **	ISO 6588		fix 1	8,5 (Neutral = 7)		
			fix 2	8,3 (Neutral = 7)		
PAT* (Photographic Activity Test)	ISO 18916		fix 1	passed		
			fix 2	not tested		
THERMAL PERFORMANCE						
Processing temperature	Continuous	°C	-20 up to 100			
Processing temperature	Short-term	°C	Up to 130			
BEHAVIOUR IN FIRE						
	DIN 4102		fix 1	B2		

* IPI Rochester
** measured without protective foil

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.

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PRODUCT INFORMATION

KAPA®FIX

Lightweight board with single-sided or double-sided self-adhesive aluminium-reinforced chromo-substitute carton layers. KAPA®fix was designed as ready to mount support sheet, especially for fast manual and mechanical mounting applications.

Product applications
- Fill-in panel for display systems.
- Mounting board for large photos and digital prints.
- Exhibition construction.

Product properties
- Suitable for manual and industrial cutting.
- The foam is resistant against nearly all solvents and glues.
- High heat and thermal resistance up to 130° 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®fix 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®fix sheets are non-hazardous for humans and environment.
- KAPA®fix 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

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