

Technical Datasheet/ Issue 07/07 / Replaces Issue 02/06

Characteristics

application:	KAPA® mount support base for digital print and large format photographs, high quality mounting etc., fill-in-panel plate for exhibition and displays systems.
panel construction:	sandwich – element with PUR – rigid foam core aluminium-reeinforced bleached lined folding boxboard
behaviour in external conditions:	The board is flame retardant (Flame-protection class B2/ E as per DIN 4102B2/EN 13501-1). The foam shows no waterabsorption, only in cut cells. The layer is not resistant against water/humidity.
chemical effects:	The foam is resistant against solvents and glues which contain toluol, please make trials. The layer is resistant against glues and inks
behaviour against thermal effects:	sheet processing temperature continuous $T_d = -20$ up to 100 shortterm $T_k =$ up to 160 °C
additional compliance to following standards:	Certificate ISO 9001:2000 Certificate ISO 14001:2004 OHSAS 18001:1999 Development, manufacturing and sales of lightweightboards and PUR-forming parts DIN 4102 B2, DIN EN 11925-2 DIN EN 7107.89 Security of toys

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Technical Data and Tolerances

attribute	value			tolerance	unit	method
thickness	3,0	5,0	10,0	± 0,6	mm	KAPA-Meth.
density	55	47	45	± 5	kg/m ³	KAPA-Meth.
weight per unit area	800	870	1070	-	g/m ²	KAPA-Meth.
fire certification	B 2 E			-	-	DIN 4102 EN 13501-1
compression strength 10% compression set	~ 0,10	~ 0,11	~ 0,43	-	N/mm ²	DIN 53421
memory effect 10% compression set	~ 95	~ 95	~ 95	-	%	DIN 53421
elastic modulus (E-Modul)	~ 1,80	~ 1,30	~ 5,50	-	N/mm ²	DIN 53421
bending strength	~ 9,80	~ 4,90	~ 2,70	-	N/mm ²	DIN 53423
closed cell structure	> 95			-	%	KAPA-Meth.
hot extract. ph-value after aging	7,7 5,7			-	-	DIN 53124
CIE lab value	L 90,39 (a=-0,44 b=-0,61)			-	-	MINOLTA

Packaging Units

thickness in mm	3	5	10	tolerance	right angle
sizes in mm	sheets per box				
1000 x 700	40	24	12	± 1 mm	± 1 mm/m
1000 x 1400	40	24	12	± 1 mm	
3000 x 1400	-	18	12	-1 + 10mm	
3050 x 1530	-	16	8	-1 + 10mm	

Further information: www.alcankapa.com

All data are based on our current knowledge and experience. They are considered as a reference without being legally binding. July 2007