

Technical Datasheet/ Issue 02/06 / Replaces Issue 08/04

Characteristics

application:	KAPA® fix double-sided ready-to-mount support base for digital prints, photos, other layouts etc.; fill-in-panel plate for exhibition and displays systems.
panel construction:	sandwich–element with PUR–rigid foam core, with chromo-substitute carton-sheet covering layers, double sided selfadhesive
behaviour in external conditions:	The board is not flame retardant. 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 contains 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 EN 7107.89 Security of toys

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Technical Data and Tolerances

attribute	value			tolerance	unit	method
thickness	5,0	10,0	15,0	± 0,6	mm	KAPA-Meth.
density	47	45	45	± 5	kg/m ³	KAPA-Meth.
weight per unit area	1050	1260	1490	-	g/m ²	KAPA-Meth.
fire certification	B 3			-	-	DIN 4102
compression strength 10% compression set	~ 0,15	~ 0,32	~ 0,46	-	N/mm ²	DIN 53421
memory effect 10% compression set	~ 95	~95	~ 95	-	%	DIN 53421
elastic modulus (E-Modul)	~ 2,4	~ 3,9	~ 6,2	-	N/mm ²	DIN 53421
bending strength	~ 6,2	~ 2,6	~ 2,1	-	N/mm ²	DIN 53423
closed cell structure	> 95			-	%	KAPA-Meth.
hot extract. ph-value after aging	7,6 6,3			-	-	DIN 53124

Packaging Units

thickness in mm	5	10	15	tolerance	right angle
sizes in mm	sheets per box				
1000 x 700	24	12	8	± 1 mm	± 1 mm/m
1000 x 1400	24	12	8	± 1 mm	
3000 x 1400	18	12	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. February 2006