

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

### Characteristics

<b>application:</b>	<b>KAPA<sup>®</sup>fix single-sided</b> ready-to-mount support base for digital prints, and large format photos etc.; fill-in-plate for mobile expo displays and framing elements
<b>panel construction:</b>	sandwich–element with PUR–rigid foam core, composite aluminium bleached lined folding boxboard on both-sided, one-sided self-adhesive
<b>behaviour in external conditions:</b>	The board is flame retardant (Flame-protection class 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.
<b>chemical effects:</b>	The foam is resistant against solvents and glues which contains toluol, please make trials. The layer is resistant against glues and inks
<b>behaviour against thermal effects:</b>	Sheet processing temperature continuous $T_d = -20$ up to $100$ shortterm $T_k =$ up to $160$ °C
<b>additional compliance to following standards:</b>	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 13 501-1 DIN EN 7107.89 Security of toys

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Technical Data and Tolerances

<b>attribute</b>	<b>value</b>			<b>tolerance</b>	<b>unit</b>	<b>method</b>
<b>thickness</b>	3,0	5,0	10,0	± 0,6	mm	KAPA-Meth.
<b>density</b>	55	47	45	± 5	kg/m <sup>3</sup>	KAPA-Meth.
<b>weight per unit area</b>	800	870	1070	-	g/m <sup>2</sup>	KAPA-Meth.
<b>fire certification</b>	B 2 E			-	-	DIN 4102 EN 13501-1
<b>compression strength 10% compression set</b>	~ 0,05	~0,09	~0,18	-	N/mm <sup>2</sup>	DIN 53421
<b>memory effect 10% compression set</b>	~ 95	~ 95	~ 95	-	%	DIN 53421
<b>elastic modulus (E-Modul)</b>	~1,2	~ 2,2	~ 2,3	-	N/mm <sup>2</sup>	DIN 53421
<b>bending strength</b>	~ 6,6	~ 5,2	~ 2,3	-	N/mm <sup>2</sup>	DIN 53423
<b>closed cell structure</b>	> 90			-	%	KAPA-Meth.
<b>hot extract. ph-value after aging</b>	7,3 6,9			-	-	DIN 53124

Packaging Units

<b>thickness in mm</b>	3	5	10	tolerance	right angle
<b>sizes in mm</b>	<b>sheets per box</b>				
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	
3050x1500	-	16	8	-1 + 10mm	

Further information: [www.alcankapa.com](http://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