



**Product Datasheet / Issue 08/11 / Replaces Issue 01/08**

**Characteristics:**

<b>application:</b>	<b>KAPA®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 lined chromosubstitute carton on both sides, one-sided self-adhesive
<b>behaviour in external conditions:</b>	The board is flame retardant. Flame-protection class as per DIN 4102-B2 , EN 13501-1:E and BS 476 class1. The foam shows no water absorption, only in cut cells. The layer is not resistant against water/humidity.
<b>chemical effects:</b>	The foam is resistant against solvents and glues. For glues with toluol please make trials. The layer is resistant against glues and inks.
<b>behaviour against thermal effects:</b>	Sheet processing temperature continuous $T_d = -20^{\circ}\text{C}$ up to $100^{\circ}\text{C}$ short-term $T_k =$ up to $160^{\circ}\text{C}$
<b>additional compliance to following standards:</b>	Certificate DIN ISO 9001:2008 Certificate DIN ISO 14001:2004 OHSAS 18001:2007 DIN 4102-1:1998-05 construction material class B2 DIN EN ISO 11925-2:2002-07 euroclass E Development, manufacturing and sales of lightweight boards and PUR-formed parts





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**Technical Datasheet/ Issue 08/11 / Replaces Issue 01/08**

**Technical Data and Tolerances:**

attribute	value			tolerance	unit	method
thickness	3,0	5,0	10,0	± 0,6	mm	KAPA-Meth.
density	55,0	47,0	45,0	± 3	kg/m <sup>3</sup>	KAPA-Meth.
weight per unit area	975	1050	1260	-	g/m <sup>2</sup>	KAPA-Meth.
fire classification	B 2 E			-	-	DIN 4102 DIN 13501-1
compression strength 10% compression set	~0,07	~0,15	~0,38	-	N/mm <sup>2</sup>	DIN 53421
memory effect 10% compression set	~95	~95	~95	-	%	DIN 53421
elastic modulus (E-Modul)	~1,2	~2,2	~6,0	-	N/mm <sup>2</sup>	DIN 53421
bending strength	~6,6	~5,2	~2,3	-	N/mm <sup>2</sup>	DIN 53423
closed cell structure	> 90			-	-	KAPA-Meth.
PAT* (Photographic Activity Test)	passed			-	-	ISO 18916
ph-value	7,5**(neutral)			-	-	DIN 53124

\* IPI Rochester

\*\* measured without protective sheet

**Packaging Units**

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



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# KAPA<sup>®</sup>

## KAPA:fix

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