

**B-BOND DIGITAL 2D****B-bond**

Aluminium composite panel

**PRODUCT DETAILS**

Panel thickness	Standard	Unit	2 mm	3 mm	4 mm
Thickness of aluminium	DIN 1784	mm	0.2	0.2	0.2
Aluminium thickness deviation	DIN 1784	mm	± 0.02	± 0.02	± 0.02
Weight		kg/m <sup>2</sup>	3.14	4.32	5.50
<b>Technical properties</b>					
Section modulus W	DIN 53293	cm <sup>3</sup> /m	1.31	1.53	1.84
Rigidity (poission's ratio $\mu = 0.3$ ) E.J	DIN 53293	kNcm <sup>2</sup> /m	0.96	0.15	0.32
Modulus of elasticity	EN 1999 1-1	N/mm <sup>2</sup>	70000		
Tensile strength of aluminium	EN 485-2	N/mm <sup>2</sup>	R <sub>m</sub> 145-185		
0.2 % proof stress	EN 485-2	N/mm <sup>2</sup>	Rp <sub>0.2</sub> 110-175		
Elongation	EN 485-2	%	A <sub>50</sub> ≥ 3		
Linear thermal expansion	EN 1999 1-1	mm/m C°	2.4 at 100°C temp difference		
Gloss (initial value)	ECCA T2	%	30 - 60		
Pencil hardness	ECCA T4		2H		
<b>Thermal properties</b>					
Thermal resistance R	DIN 52612	m <sup>2</sup> K/W	0.0047	0.0080	0.0113
Heat transition coefficient U	DIN 4108	W/m <sup>2</sup> K	5.70	5.60	5.48
Temperature range		C°	-50 ... +80		

Warranty: 5-8 years

**LIMITATION OF LIABILITY**

Except where prohibited by law, Igepa Belux N.V. will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.