



**FIȘĂ TEHNICĂ BOND PVDF**

Panel Thickness	Standard	Unit	4mm
Thickness of Aluminium	DIN 1784	mm	0.3mm-0,5mm
Aluminum thickness deviation	DIN 1784	mm	±0.01
Weight		Kg/m <sup>2</sup>	5.1 - 5.63
Tolerance in length	DIN 16927 / ISO 11833-1	mm	-1/+3
Tolerance in width	DIN 16927 / ISO 11833-1	mm	-0/+1.5
Tolerance in thickness	DIN 16927 / ISO 11833-1	mm	±0.15
Dimensions			1500x3000mm;1500x4000mm
Horizontal flatness	DIN ISO 1101	mm	5
Longitudinal roughness	DIN ISO 1101	mm	6
<b>Technical Properties</b>			
Section Modulus W	DIN 53293	cm <sup>3</sup> /m	1.75
Rigidity (Poisson's)	DIN 53293	kNm <sup>2</sup> /m	0.28
Alloy	EN 573-3	ENAW	1100
Temper of Cover Sheets	EN 515		H16/H18
Modulus of Elasticity	EN 1999 1-1	N/mm <sup>2</sup>	70,000
Tensile Strength of Aluminium	EN 485-2	N/mm <sup>2</sup>	Rm≥145
0.2% Proof Stress	EN 485-2	N/mm <sup>2</sup>	Rp0.2≥100
Elongation	EN 485-2	%	A50≥2
Linear Thermal Expansion	EN 1999 1-1	mm/m/°C	2.4at 100 Temp difference
<b>Core</b>			
Polyethylene, Typ LD-PE		g/cm <sup>3</sup>	0.935
<b>Surface</b>		<b>Coil Coating</b>	
Lacquering			Fluorocarbon based(PE)
Thickness of coating		μm	two coating ≥26 ; three coating ≥32
Gloss (initial value)	ECCA T2	%	30-80
Pencil Hardness	ECCA T4		H
<b>Acoustical Properties</b>			
Sound Absorption Factor α <sub>s</sub>	ISO 354		0.05
Sound Transmission Loss R <sub>w</sub>	ISO 717-1	DB	26
Loss Factor d	EN ISO 6721		0.0087
<b>Thermal Properties</b>			
Thermal Resistance R	DIN 52612	m <sup>2</sup> K/W	0.0103
Heat Transition Coefficient U	DIN 4108	W/m <sup>2</sup> K	5.54
Temperature Range		°C	-50 to +80