

TECHNICAL DATA NEOBOND® advertising panel					
Panel thickness	mm	2	3	3	4
Thickness of aluminium layers	mm	0.21	0.21	0.3	0.3
Aluminium thickness deviation	mm	±0.02	±0.02	±0.02	±0.02
Weight	kg/m ²	2.85	3.85	4.1	5.10
Tolerance in length	mm	-0/ +6	-0/ +6	-0/ +6	-0/ +6
Tolerance in width	mm	-0/ +3	-0/ +3	-0/ +3	-0/ +3
Tolerance in thickness	mm	±0.15	±0.3	±0.3	±0.3
Horizontal flatness	mm	5	5	3	3
Longitudinal roughness	mm	6	5	5	5
<i>Technical properties</i>					
Section Modulus W	cm ³ /m	1.25	1.55	1.68	1.85
Rigidity (Poisson's ratio $\mu=0.3$) E-I	kNm ² /m	0.04	0.08	0.16	0.34
Alloy of aluminium layers		1100, H18			
Modulus of elasticity	N/mm ²	70.000			
Tensile strength of aluminium	N/mm ²	$R_m \geq 145$			
0.2% Proof Stress	N/mm ²	$R_{p0.2} \geq 115$			
Elongation	%	$A_{50} \geq 3$			
Linear Thermal Expansion	mm/m/ °C	2.4 at 100°C temperature difference			
Core		Polyethylene			
<i>Surface</i>					
Lacquering		Coil Coating - Polyester			
Thickness of coating		≥17			
Gloss (initial value)	%	20-100			
Pencil Hardness		2H			
<i>Acoustical properties</i>					
Sound absorption Factor α_s		0.05			
Sound Transmission Loss R_w	DB	23	25	25	26
Loss Factor d		0.0062	0.0072	0.0072	0.0087
<i>Thermal properties</i>					
Thermal resistance R	m ² K/W	0.0036	0.0069	0.0069	0.0172
Heat transition coefficient U	W/m ² K	5.98	5.65	5.65	5.54
Temperature range	°C	-50 ... +80			
Reaction to fire		class B2 acc.to DIN 4102-1			

This data is intended only as a source of information and is given without guarantee and does not constitute a warranty.