

Technical Data					
Panel thickness (mm)	2	3	4	5	6
Cover sheet thickness (mm)	0.2				
weight (Kg/m ²)	2.6	3.55	4.5	5.45	6.4
Cover sheet thickness (mm)	0.3				
weight (Kg/m ²)	2.9	3.85	4.8	5.75	6.7
Standard size (W×L)					
1500*3050mm	✓	✓			
1500*4050mm	✓	✓			
1250*3050mm	✓	✓			
Core					
Polyethylene LDPE (g/cm ³)	0.92				
Surface					
Painting	Polyester painting system				
Hardness (Pencil hardness)	H				
12 Standard colors	See color chart				
Temperature Resistance	From -50°C to +80°C				
UV stability	Very good				

Technical Specifications

Panel thickness [mm]	2	3	4	6	Panel thickness [mm]	2	3	4	6
Technical properties					Acoustical properties				
moment of inertia I [cm ⁴ /m]	0.049	0.123	0.231	0.548	sound absorption factor α_s	0.05			
section modulus W [cm ³ /m]	0.51	0.81	1.11	1.71	Airborne sound insulation index R_w [dB]	23	24	25	26
rigidity E-J [kNcm ² /m]	345	865	1620	3840	loss factor d	0.0048	0.0057	0.0072	0.0102
alloy/condition of the cover sheets	1100 H18				Thermal properties				
modulus of elasticity [N/mm ²]	70,000				thermal resistance $1/\Lambda$ [m ² K/W]	0.0047	0.0080	0.0113	0.0180
tensile strength of the cover sheets [N/mm ²]	R_m : 145 – 185				heat transition coefficient k [W/m ² K]	5.72	5.61	5.50	5.30
0,2% proof stress [N/mm ²]	$R_{p0,2}$: 110 – 175				water absorption [%]	0.01			
elongation	$A_{50} \geq 3\%$				DIN 53495				
linear thermal expansion	2.4 mm/m at 100° C temperature difference				static charge	no antistatic treatment necessary			