

Dakerbond ECO SLIM Panel

Weight (kg/m ²)	3,75
Standard Size	2000 x 1000 mm
Thickness	+/- 0,2 mm
Width	+/- 2 mm
Length	+/- 3 mm
Diagonal	+/- 5 mm
Painting	PE COATING, 8 +/- 1 mm microns
Hardness (Pencil hardness)	H
Gloss level tolerance	5%
Temperature Resistance	From -40 °C to +80 °C
Impact Strenght (kg/cm)	42
Boiling Water Resistance	Boiling for 2 hrs without change
Acid Resistance	Immerse Surface in 2% Hc1 for 24 hrs without change
Alkali Resistance	Immerse Surface in 2% NaOH for 24 hrs without change
Oil Resistance	Immerse Surface in 20# engine oil for 24 hrs without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	> 1000 times without change
Peel Strength (Newton/mm)	>5
Bending Strength	90 MPa
Technical properties	
Moment of inertia I [cm ⁴ /m]	0,123
Section modulus W [cm ³ /m]	0,81
Rigidity E J [kNcm ² /m]	865
Alloy/ condition of the cover sheets	1100 H18
Modulus of elasticity [N/mm ²]	70
Tensile strength of the cover sheet [N/mm ²]	Rm: 145 - 185
0,2% proof stress	Rp0,2: 110 - 175
Enlogation	A50 ≥ 3%
Linear thermal expansion	2,4 mm/m at 100 °C temperature difference
Acoustical properties	
Sound absorption factor αs	0,05
Airborne sound insulation index Rw [dB]	24
Loss factor d	0,0057
Thermal properties	
Thermal resistance 1/Λ [m ² K/W]	0,008
Heat transition coefficient k [W/m ² K]	5,61
Water absorption [%] DIN 53495	0,01
Static charge	no antistatic treatment necessary