



TECHNICAL DATASHEET

ALUPANEL

Aluminium composite sheets

PROPERTY	UNIT	VALUE					STANDARD	VARIABLE
		2 mm	3 mm	4 mm	6 mm	8 mm		
General								
Aluminium thickness	mm	0,3	0,3	0,3	0,3	0,3		
Weight	kg/m ²	2,9	3,8	4,75	6,6	8,59		
Face finish		Brushed or mirror polished aluminium or PE paint						
Core composition		LDPE						
Thickness tolerance	mm	± 0,2 mm			± 0,4 mm			
Aluminium thickness tolerance		as specified in EN485-4						
Sheet flatness tolerance		max. 2 mm						
Mechanical								
Rigidity	kNcm ² /m	298	753	1414	3357	6127		
Surface pencil hardness		2H						>HB
Paint thickness	micron	20						painted coils
Toughness of coating		3T						
Peel strenght	N/mm	>5						180°
Tensile strength of aluminium layers	MPa	149						
Thermal								
Temperature resistance	°C	-50 to +80						
Thermal expansion	mm/m °C	0,024						
Thermal resistance (R)	m ² K/W	0,0057						
Chemical Resistance								
Boiling water resistance		No Change						2 Hours
Surface pencil hardness		No Change						24 Hours @ 2% HC1
Paint thickness (painted coils only)		No Change						24 Hours @ 2% engine oil
Toughness of coating		No Change						100 x cleaned with Dimethylbenzene
Fire classification								
Fire rating FR		M1						NF P 92-501
Fire rating EU		D-s2, d0						EN 13501-1

The technical data given in this sheet correspond to our current state of knowledge and should not be construed as an agreement or guarantee regarding certain properties of our products. The decision on the suitability of a particular material for a specific application is up to the user. We reserve the right to modify the given data. Errors of the given data are reserved.