

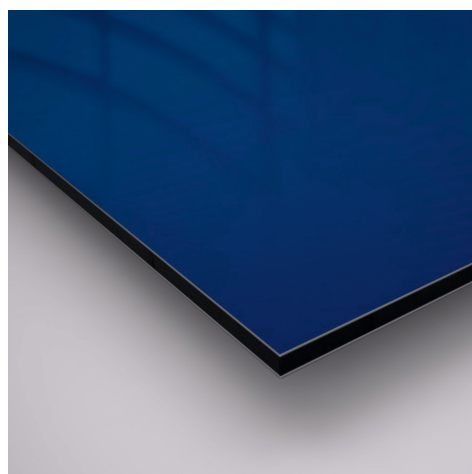
Technical data

CODE:**PRODUCT:**

ACPM 0,3 mm

NOTE:

TECHNICAL DATA

IMAGE:**LAST UPDATE:**

7/2021



CATEGORY

BOARD MATERIALS

ALUMINIUM COMPOSITE PANEL

Panel dimensions				
Panel thickness (mm)	2,0	3,0	4,0	6,0
Aluminium thickness (mm)	0,30	0,30	0,30	0,30
Weight (kg/m ²)	3,18	4,20	5,15	7,13

Dimensional tolerances (mm)	
Thickness	± 0,2
Width	- 0 + 2,0
Length	- 0 + 3,0
Diagonal	- 0 + 5,0
Thermal expansion	2,4 mm/m @ 100°C Temp difference
Aluminium thickness (mm)	Where applicable as specified in EN485-4; otherwise ± 0,02

Surface properties	
Paint thickness (micron)	20
Pencil hardness	>HB
Toughness of coating	3T
Gloss level tolerance	± 5%
Temperature resistance	-50°C to + 80°C
Impact strength (kg cm ²)	42
Boiling water resistance	Boiling for 2 hrs without change
Acid resistance	Immerse surface in 2% HCl 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

Product properties	
Sound absorption NRC	0,05
Sound attenuation R _w db	24
Water absorption % by volume	0,01
Thermal performance R values	0,0057
Core composition	Polyethylene
Core density (kg/m ³)	0,97 (± 0,03)
Tensile strength of aluminium (MPa)	148
Reaction to fire classification	EN13501-1 - Class D