



Technical Data Sheet ACM .005" /3mm

Panel Dimensions

Panel Thickness	3mm
Aluminum Thickness	.005"
Weight (lb/ft ²)	0.70
Standard Widths	48"

Dimensional Tolerances

Panel Thickness	+/- .008"
Aluminum Thickness	+/- .0008"
Width	-0; +.08"
Length	-0; +.12"
Diagonal	+/- .20"

Surface Properties

Paint	PE (Polyester)
Paint Thickness	17-20 microns
Pencil Hardness	≥2H
Toughness of Coating	≤2T
Impact Strength	30kg*cm (no crack in paint)
Boiling Water Resistance	Boiling for 2 hours no change
Solvent Resistance	Cleaned 200 times with Dimethylbenzene without change
Acid resistance	Immerse surface in 2%HCL for 24 hours without change
Alkali resistance	Immerse surface in 2%NaOH for 24 hours without change
Cleaning resistance	>1000 times without change
Peel Strength	≥3N/mm

Mechanical Properties

Sound Absorption NRC	0.05
Sound Attenuation RW DB	24
Water Absorption % By Volume	0.01
Core Composition	Polyethylene
Thermal Expansion	2.4mm/meter @100°C Temperature Difference