

I BOND

3mm & 6mm Smooth Aluminum Faces with Polyethylene Core for Increased Durability

Common Uses
Storefront, Construction, Real Estate & More

Longevity
Long-term

Environment
Indoor & Outdoor

Print Sides
Single-sided
Double-sided

Size Options
Custom Size

Options
Contour Cut

Technical Data >

TECHNICAL DATA SHEET

PROPERTIES

Weight(kg/m2): 3.55
Panel Thickness (mm): 3 & 6
Aluminum Thickness (mm): 0.15
Water Absorption % by Volume: 0.01
Thermal Performance R Values: 0.0057
Core Composition: Polyethylene
Flammability BS476: Part 6: Class 0, Part 7: Class 1

PRODUCT CODE

MM843MW
MM843MW15

DIMENSIONAL TOLERANCES

Thickness (mm): -0 + 0.2
Width (mm): ±2
Length (mm): ±3
Diagonal (mm): ±5
Thermal Expansion: 2.4mm/m @ 100°C (220°F) Temp Difference
Aluminum Thickness (mm): ± 0.02

SURFACE PROPERTIES

Paint Thickness (micron): 20
Pencil Hardness: >HB
Toughness of Coating: 3T
Temperature Resistance: -50° C to + 90° C (-58° F to +194° F)
Impact Strength (kg/cm2): 42
Boiling Water Resistance: Boiling for 2 hours without change
Acid Resistance: Immersed Surface in 2% HC1 for 24 hours without change
Alkali Resistance: Immersed surface in 2% NaOH for 24 hours without change
Oil Resistance: Immersed surface in 20# engine oil for 24 hours without change
Solvent Resistance: Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance >1000 times without change
Peel Strength: >5 Newton/mm