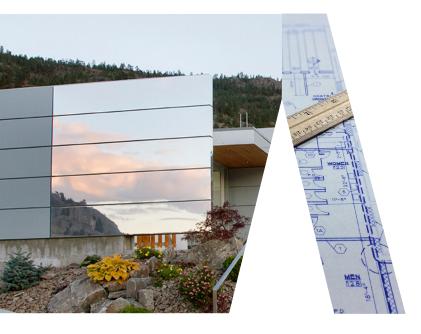
PRODUCT DATA SHEET Reflect Mirror Finish

ALUCOBOND° PLUS

GIVING SHAPE TO GREAT IDEAS



As the original "aluminum composite material," ALUCOBOND® PLUS has been developed exclusively to allow architects and designers to meet the fire performance requirements of today's building standards while using ACM as the material of choice. Consisting of two sheets of smooth .020" aluminum thermobonded to a solid, fire retardant core, ALUCOBOND PLUS is one component of the assembly that meets the requirements of fire classifications while offering the proven product properties such as flatness, form-ability, durability and ease of fabrication.

The versatile characteristics of ALUCOBOND PLUS provide for a plethora of applications such as exterior and interior cladding, column covers, canopies, soffits and even signage, allowing architects to offer inspiring, creative, and innovative designs while meeting the standards of sustainable planning.

The following technical data pertains to the ALUCOBOND PLUS Reflect Mirror finish from the Natural Collection Element Series.

MATERIAL PROPERTIES

Panel Thickness: 4mm (0.156")

Aluminum Skin (Front): 0.020"

Aluminum Skin (Reverse): 0.020"

Standard Width: 49.2"

Weight/Area: 1.56 lb/ft²

PANEL SURFACE

Front Side: Anodized aluminum coated with

a transparent, UV resistant coating

Total Reflection: 84 - 85%Gloss: $\geq 78\%$

Reverse Side: Mill Finish (Aluminum)

TECHNICAL PROPERTIES

Section Modulus W: 0.033 in³/ft

Rigidity: 2500 lbf•in²/ft

Modulus of Elasticity: 10 psi
Tensile Strength of Aluminum: 19 kpsi
0.2% Proof Stress: 13 kpsi

Core: Mineral filled

polymer

THERMAL & ACOUSTICAL PROPERTIES

Thermal Resistance: 0.16 ft²•°F•h/BTU

(R-Value)

Heat Transition Coefficient: 6.25 ft²•°F•h/BTU

(U-Value)

Linear Thermal Expansion: 0.029 in/ft over a 212°F ΔT

Application Range: -60°F to 180°F

Sound Absorption Factor (α_s): 0.05

Sound Transmission Loss (R_w): STC: 30dB / OITC: 24dB

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