

Technical Data

FEVE

MECHANICAL PROPERTIES

Item Test Result		
Bending Strength	113 MPa	
Bending Elastic Modulus	3.02 x 10 ⁴ MPa	
Penetrating Resistance 9.00 kN		
Shearing Strength	28.92 MPa	
180° Peel Strength	11.90 N/mm	
Standard Width: Lenght: Thickness	1.22 x 2.44 (m) Optional Optional	
PERFORMANCE OF FEVE COATING		

THERMAL PROPERTIES

Item	Test Result	
Temperature Cycle Resistance	No Change	
Thermal Expansion Coefficient	1.28 x 10 ⁻⁵ °C ⁻¹	
Deflection Temperature Under Lo	oad 105 °	
Applications	Advantages	
Showroom Finishes Signage-Totems-sign in General Curtain Walls -High Exterior	Light Weight and Rigid Durability Impact Resistance	

Showroom Finishes Signage-Totems-sign in General Curtain Walls -High Exterior Exterior Wall Cladding Interior Wall Finishing Roof and Canopy Elevadors Partitions and Ceiling Panels	Light Weight and Rigid Durability Impact Resistance Corrosion Resistance Thermal and Acoustica Insulation Cost Benefit

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Item	Standard Index
Coating Thickness	30 µm average
Pencil Hardness	3 H
Coating Flexibility	2 T
Coating Adhesion	Class 1
Impact Resistance	Struck with 50 kg-m weight-distance drops without crack or loss of paint
Abrasion Resistance	5.65 L/µm
Boiling Water Resistance	Soaking in boiling water for 2 hrs without change
Pollution Resistance	2.50 %
Acid Resistance	Immerse surface in 5% HCl for 48 hrs without change
Alkali Resistance	Immerse surface in 5% NaOH for 48 hrs without change
Oil Resistance	Immerse surface in 20# engine oil for 48 hrs without change
Solvent Resistance	Cleaned 100 times with MEK by 1 kg-f without change
Cleaning Resistance	10,000 times without change
Salt Spray Resistance	Class 1

Only for reference of technically persons, no as warranty or guarantee by ALUMAT. Neither the manufacture or its distribuidors are responsible for the mis interpretation o incorrect installation of this product. It is responsability of the installer to have the technical skills and knowledge to properly apply o install this product. Base on GB/T 17748-1999 Standards.