

Technical Data

MECHANICAL PROPERTIES

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

PERFORMANCE OF FEVE COATING

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

THERMAL PROPERTIES

Item	Test Result
Temperature Cycle Resistance	No Change
Thermal Expansion Coefficient	1.28 x 10 <sup>-5</sup> °C <sup>-1</sup>
Deflection Temperature Under Load	105 °

Applications	Advantages
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 Acoustical Insulation Cost Benefit

