

Thickness (aluminum polymer and Polyvinyl composite backings)	1mm, 8 mm ,12mm,25mm
Weight (both backings)	17kg/sq. meter (.5 -3.5lbs/sq. ft.)
Maximum size for 8mm thickness only	152cm x 244cm-304.8 (60” x 96” – 120”)
Thermal Shock resistance % loss	-0.06%
Anchorage Strength	4106N
Fire Rating aluminum polymer backed	Class A
Flame Spread aluminum polymer backed) NFPA 255	ASTM E84 - 16
Flame Spread Index (FSI; aluminum polymer backed)	15
Smoke Developed Index (SDI; aluminum polymer backed)	200
Compressive Strength, Wet Conditions (aluminum Polymer backed)	151.5 MPa
Compressive Strength, Dry Conditions (aluminum Polymer backed)	150.1 MPa
Flexural Strength (aluminum Polymer backed)	7.1 MPa
Modulus of Elasticity (aluminum Polymer backed)	6.8 MPa
Bonding Strength (aluminum Polymer backed) normal conditions	1.2 MPa
Bonding Strength (aluminum Polymer backed) soaked in water 168h	1.0 MPa
Surface Mass Density (aluminum Polymer backed)	14.0KG/m3
Fire Rating (Polyvinyl Composite Backed)	Class B
Flame Spread (Polyvinyl Composite backed) NFPA 255	ASTM E84-16
Flame Spread Index (FSI; Polyvinyl Composite backed)	50
Smoke Developed Index (SDI; Polyvinyl Composite backed)	450
Compressive Strength: Dry Conditions (Polyvinyl Composite backed)	127.5 MPa
Compressive Strength: Wet Conditions (Polyvinyl Composite backed)	94.7 MPa4.5 MPa
Flexural Strength (Polyvinyl Composite backed)	4.5 MPa
Modulus of Elasticity (Polyvinyl Composite backed)	5.0 GPa
Bonding Strength (Polyvinyl Composite backed) normal conditions	1.9 MPa
Bonding Strength (Polyvinyl Composite backed) soaked in water 168h	1.7 MPa
Surface Mass Density (Polyvinyl Composite backed)	18.0 kg/m3