



## FICHA TÉCNICA

# ALUMINIO COMPUESTO

### Tamaño

1.22m x 2.44m

1.50m x 3.05m

### Espesor

4mm

3mm

5mm



# COLORES

AZUL

AMARILLO

ROJO

NARANJA

VERDE  
LIMÓN

VERDE

GRIS CLARO

GRIS OSCURO

BLANCO

NEGRO

CHAMPAGNE

DORADO

## PANEL INFORMATION

Sr.NO.	TEST ITEM	RESULTS
01	Total Thickness	4mm
02	Aluminium skin thickness	0.3mm
03	Standard width	1220mm
04	Alloy and Temper	EN AW AA1100H18
05	Unit weight	5.9kg/m <sup>2</sup>

## DIMENTIONAL TOLERANCES

01	Panel Thickness	±0.2mm
02	Aluminum Thickness	±0.02mm(EN485-4)
03	Width	±2mm
04	Length	±3mm
05	Diagonal	±5mm
06	Bow	Max 0.7%(5mm/m) of length or width

## SURFACE PROPERTIES

01	Coating finish	Fluoropolymer (PVDF or FEVE)
02	Paint Thickness(micron meter)	27±1
03	Pencil Hardness	≥2H
04	Toughness of Coating	≤2T
05	Adhesion Force	100/100 No peel
06	Boiling Water Resistance	Boiling for 2H without change
07	Solvent Resistance	Cleaned 200times with Dimethylbenzene without change
08	Acid Resistance	Immerse Surface in 2%HCL for 48H without change
09	Alkali Resistance	Immerse Surface in 2%NaOH for 48H without change
10	Cleaning Resistance	> 1000 times without change

## PHYSICAL PROPERTIES

01	Roll Peel Strength	160 N.mm/mm 155 N.mm/mm
02	Flatwise Tensile Strength	2.08MPa ( ≥ 2MPa)
03	Impact Strength (kg/m <sup>2</sup> )	50 (No cracking in both sides of the aluminium and no removal and craze in the coating)
04	Bending Strength	130.7MPa (Lateral ) 102.3MPa (Longitudinal )
05	Linear thermal expansion coefficient	2.04x 10 <sup>-5</sup> °C <sup>-1</sup>