

PRODUCT DATA SHEET
PANELUX



	Unit	
ALUMINIUM		
Thickness of Aluminium	mm	3mm
Aluminum thickness deviation	mm	±0.15
Alloy/ Temper		3003 H24
SIZE TOLERANCE		
Tolerance in length	mm	± 3
Tolerance in width	mm	± 2
Tolerance in diagonal	mm	± 3
PAINT COMPLIANCE		
REACH		Qualified
RoHs		Qualified
COATING SPECIFICATIONS&TOLERANCE		
Paint System		Roller Coated
Paint Type		Kynar 500
Coating Thickness	µm	≥26
Pencil Hardness		≥HB
Adhesive		class 0
Acid Resistance		5% HCL for 24 hours, No Change or Blister
Alkali Resistance		5% NaOH for 24 hours, No Change or Blister
Salt Spray Resistance		5% Salt for 720 hours, No Change or Blister
Humidity Resistance		Temperature 47°C (+/-1°C),humidity 96±2% for 3000 hours,1 grade
Exterior Exposure		20 years for Black and White,15 years for others
Solvent Resistance		100 MEK Double Rubs, No Change
Boiling Water Resistance		98°C (+/-2°C) for 2 hours
Cleaning Agent Resistance		Isopropyl Alcohol, Ethanol Absolute 46.7% No Change
Abrasive Resistance	L/µm	≥5
Oil Resistance		No Trail
MECHANICAL&TECHNICAL SPECIFICATION		
Heat Deflection Temperature	°C	85
Tensile Strength	Rm/MPa	145-195
Extension Strength	Rpo.2/MPa	115
Elongation after fracture	%	5
Bending Radius	°	90°,1.0t;180°,1.5t
Linear Thermal Expansion Coefficient (15°C - 45°C)	°C-1	4.0*10 -5
Temperature Resistance	°C	- 50°C to +80°C
Impact Resistance (Ball Drop) 20kg/cm		No split after reverse impact test with cross cutting
GUARANTEE(Outdoor)	year	15-20 years