

DECORATIVE PANEL



MECHANICAL PROPERTIES

FEATURES	VALUES
Yield Strength of Sheet Surface (fct)	min. 220N/mm ²
Tensile Strength of Panel	min. 0,018 Mpa
High Temperature Transverse Tensile Module	min. 0,04 MPa
Core Material Shear Strength (fcv)	min. 0,11 Mpa
Core Material Shear Modulus (G)	min. 2 Mpa
Core Material Compressive Strength (σ_{10})	min. 0,09 Mpa
Bending Moment Capacity and Rigidity – Flat (Mu)	min. 2,3 kNm/m
Bending Moment Capacity and Rigidity – Reverse (Mu)	min. 2 kNm/m
Torsional Stress Straight (σ_w)	115 Mpa
Torsional Stress Reverse (σ_w)	100 Mpa
Bending Moment Capacity on a Central Support – Straight	2,95 kNm/m
Bending Moment Capacity on a Central Support – Inverse	3 kNm/m
Torsional Stress Capacity on a Central Support – Straight	133 Mpa
Torsional Stress Capacity on a Central Support – Reverse	118 Mpa
PUR Thermal Conductivity Value (λ)	max. 0,022 W/mK
Dimensional Stability	Level DS(TH) 11
Inflammability Class (TS-EN 13501-1)	C-s2,d0

GENERAL FEATURES

FEATURES	VALUES
Panel Width (cm)	30 – 40 – 50 – 111
Panel Thickness (mm)	50 – 60 – 80 – 100 – 120 – 150 – 180 – 200
Panel Density	40±2 kg/m ³
Sheet Coating Types	Polyester – PVC – CrNi
Colour	RAL 9002
Pattern	Notched – Straight
Insulation	Polyurethane
Sheet Thickness (mm)	0,50 mm

DIMENSIONAL TOLERANCES

FEATURES	VALUES
Thickness	± %4
Length	± 10 mm
Width	± 2 mm
Deviation from Miter	± 5 mm



Density



Fire Resistant



Heat Insulation



Water Moisture Resistant



Soundproofing



Soundproofing