

COPYWOOD SPECIFICATION SHEET



PHYSICAL PROPERTIES

Moisture Content and Swelling/Shrinkage	Less than 2%
Density	Can be varied within manufacturing process from 0.3gms/cc (balsa wood) through to 0.9gms/cc (hardwood)
Insect and Fungal Resistance	Little attack from marine borers, dry or wet rot.
Flammability	Similar to wood, COPYWOOD will burn.
Outdoor Exposure	COPYWOOD will not rot. Colour is resistant to fading under prolonged exposure to sunlight.
Flexural Properties	(Modulus of rupture) Flexural strength 30 MPa (similar to spruce)
Compression Strength	COPYWOOD exhibits excellent compression strength, nail and screw Characteristics.
"R" rating Mean specimen thickness 5mm Thermal resistance	16.5W/m K 0.06m K/W
Insulation	It is thought that COPYWOOD will exhibit excellent thermal and acoustic insulation characteristics due to its closed cell structure.
Light Fastness	(UV Stabilised) > 6 on the Blue Wool Scale.
Softening Point	70 oC
Glass transition Temperature	97 oC
Specific Gravity value	Can be varied within manufacturing process from 0.3 gms/cc to 0.9 gms/cc [Typical for door frame section would be 0.65-0.7 gms/cc.]
Doorframe 3 point bending test	Spam 37mm, mean breaking strain 230lbs.
Screw retention	8.40 Tappex 040M6 Brass Threaded screw

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