

Super EO (F 4 Star)

Description

Nelson Pine Industries is the leader in reducing formaldehyde levels in MDF and was the first company in Australasia to achieve certification to the Japanese Industrial Standard JIS A5905 2003 for an F☆☆☆☆ grade MDF (also known as Super EO).

The mean formaldehyde emission level of Super EO is 0.3mg/l or less which is similar to formaldehyde levels found in natural wood products.

GoldenEdge Super EO has excellent strength quality, surface smoothness and stability and superior edge profile. The surface can be painted to achieve a high quality finish and provides a uniform substrate for overlaying.

GoldenEdge Super EO can be worked easily with all conventional woodworking machines and hand tools. Tungsten carbide cutters and saws are recommended.

Physical Properties (Metric)

Behaviour in use – 18mm thickness

Property	Unit	Min Value	Mean Value	Max Value
Density	kg/m ³	690	725	–
Internal Bond	kPa	700	960	–
Modulus of Rupture	MPa	34.0	44.0	–
Modulus of Elasticity	MPa	2400	3000	–
24 Hour Thickness Swell				
– 18mm	%	–	4.7	6.0
– 9mm	%	–	9.0	13.5
Moisture Content	%	6.0	8.0	11.0

Physical Properties (Imperial)

Behaviour in use – 18mm thickness

Property	Unit	Min Value	Mean Value	Max Value
Density	lb/ft ³	43.0	45.2	–
Internal Bond	psi	102	139	–
Modulus of Rupture	psi	4930	6380	–
Modulus of Elasticity	psi x 10 ³	348	435	–
24 Hour Thickness Swell				
– 18mm	%	–	4.7	6.0
– 9mm	%	–	9.0	13.5
Moisture Content	%	6.0	8.0	11.0

Sheet Sizes (mm)

Thickness	Sheet Size
18mm	2440x1220

On request other sheet sizes and thicknesses are available.

Sheet Tolerances (mm)

Thickness	±0.15
Length and Width	±1.6
Squareness	3.0
(maximum difference between diagonals)	
Straightness	1.6
(maximum deviation from line)	

JIS A 5905 2003

F☆☆☆☆

