

## Liteboard

## Superlite

### Description

GoldenEdge Liteboard is 20% lighter in weight than regular MDF but maintains the excellent strength quality, surface smoothness and stability. The surface can be painted to achieve a high quality finish and provides a uniform substrate for overlaying. GoldenEdge Liteboard has a lighter tone than other MDF and is most suitable for any light, white or pale colour papers or foil for laminating. The colour is consistent.

The reduction in density of GoldenEdge Liteboard ensures that machine tools will last four times longer and so reduces down time. Its lighter weight makes it easier to work, with consequent increased efficiency.

### Physical Properties (Metric)

Behaviour in use – 9, 12, 16, 18 & 25mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density	kg/m <sup>3</sup>	550	590	630
Internal Bond	kPa	550	700	–
Modulus of Rupture	MPa	27	33	–
Modulus of Elasticity	MPa	1900	2400	–
24 Hour Thickness Swell				
– 25mm	%	–	3.8	5.0
– 18mm	%	–	4.7	5.6
– 12mm	%	–	6.7	8.3
Moisture Content	%	6.0	8.0	11.0

### Physical Properties (Imperial)

Behaviour in use – 9, 12, 16, 18 & 25mm thicknesses

Property	Unit	Min Value	Mean Value	Max Value
Density	lb/ft <sup>3</sup>	34.3	36.8	39.3
Internal Bond	psi	79.8	102	–
Modulus of Rupture	psi	3910	4780	–
Modulus of Elasticity	psi x 10 <sup>3</sup>	275	348	–
24 Hour Thickness Swell				
– 25mm	%	–	3.8	5.0
– 18mm	%	–	4.7	5.6
– 12mm	%	–	6.7	8.3
Moisture Content	%	6.0	8.0	11.0

### Sheet Sizes (mm)

Thickness	Sheet Size			
9mm	2440x1220*	–	3660x1220	–
12mm	2440x1220	–	3660x1220	–
15mm	2440x1220	–	–	–
16mm	2440x1220	–	3660x1220	–
18mm	2440x1220	2440x1830	–	2745x1220
			3660x1220	3660x1830
25mm	2440x1220	–	–	–

\* Also available as 2400x1200.

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)	

### Description

GoldenEdge Superlite is 1/3 lighter in weight than regular MDF but maintains the excellent strength quality, surface smoothness and stability. The surface can be painted to achieve a high quality finish and provides a uniform substrate for overlaying. GoldenEdge Superlite has a light colour and is most suitable for any light, white or pale colour papers or foil for laminating. The colour is consistent.

The reduction in density of GoldenEdge Superlite ensures that machine tools will last many times longer and so reduces down time. Its lighter weight makes it easier to work, with consequent increased efficiency.

### Physical Properties (Metric)

Behaviour in use – 18mm thickness

Property	Unit	Min Value	Mean Value	Max Value
Density	kg/m <sup>3</sup>	460	490	520
Internal Bond	kPa	400	550	–
Modulus of Rupture	MPa	18	23	–
Modulus of Elasticity	MPa	1300	1700	–
24 Hour Thickness Swell				
– 18mm	%	–	8.0	10.5
Moisture Content	%	6.0	8.0	10.0

### Physical Properties (Imperial)

Behaviour in use – 18mm thickness

Property	Unit	Min Value	Mean Value	Max Value
Density	lb/ft <sup>3</sup>	28.5	31	32.5
Internal Bond	psi	58	80	–
Modulus of Rupture	psi	2600	3300	–
Modulus of Elasticity	psi x 10 <sup>3</sup>	188	246	–
24 Hour Thickness Swell				
– 18mm	%	–	8.0	10.5
Moisture Content	%	6.0	8.0	10.0

### Sheet Sizes (mm)

Thickness	Sheet Size
18mm	3660x1220
30mm	3660x1840

### 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)	