



## PRODUCT DATA SHEET

### LIGHTWEIGHT FURNITURE BOARD

Morland lightweight furniture board combines attractive scratch resistant surfaces with low density plywood to give a board that is resilient yet light.

### COMPOSITION

The surface laminate is constructed by fusing multiple layers of melamine impregnated decor paper with a bondable reverse. An overlay is applied to the decorative side to enhance the surface abrasion resistance. The plywood panel contains seven poplar core veneers with a hardwood (ilomba) top and bottom veneer bound together with urea formaldehyde resin and catalyzed ammonium salts. Morland bond the laminate to the plywood by a process that meets D3 of EN204 and under our ISO: 9001:2000 Quality Management System.

### USES

Ideal as a furniture board where weight is a consideration. Suitable for both horizontal and vertical surfaces. Not to be used for worktops.

### STORAGE

We recommend storage in an enclosed, dry area, lying flat on base board at approximately 20 C and 40% relative humidity. Humidity of greater than 60% can induce changes in dimensions and flatness.

### FABRICATION

When machining or cutting the board a system of general exhaust ventilation is recommended.

### CHARACTERISTICS

Screw Retention.

Screw retention in plywood is improved by the number of cross grain plys within the board. By having nine plys in 15mm board the screw retention properties are good.

## Density

Board	Density per m3	Weight of 2400 x 1200 sheet
15mm veneered both sides	440-460	20 -21 kg
3mm veneered one side	450-460	4-5kg

## Resistance to Surface Wear

Initial Point Revolutions	Wear resistance	Index	Standard
>150	> 350	3	EN 438-2:2005

## Resistance to Scratching

Essentially scratch resistance is determined by the surface texture, as generally speaking wear and tear scratch marks are not as visible on textured surfaces as they are on smooth surfaces. The choice of decor is also important, as light colours are less susceptible than dark ones and printed decors are usually better than plain colours.

The table below shows the EN 438:2005 scratch resistance performance of the range Morland stock. The plain dark colours score lower than the printed dark ones.

Scratch Resistance rating scale	Discontinuous scratches, or faint superficial marks, or no visible marks.	>90% continuous double circle of scratch marks clearly visible
Rating 4	4 Newton	6 Newton
Rating 3	2 Newton	4 Newton

## Additional Features

Quality Feature	Unit	Result	Standard
Resistance to dry heat	Rating	4	EN 438-2:2005
Resistance to water	Rating	3	EN 438-2:2005
Resistance to staining	Rating	4	EN 438-2:2005
Light fastness( Xenon	Grey Scale	4-5	EN 438-2:2005
Resistance to cigarette	Rating	3	EN 438-2:2005

## CLEANING

Due to the resistant hygienic, dense surface, Morland Lightweight Furniture Boards do not require any special form of care. The surfaces are generally easy to clean.

## HAZARDS TO HEALTH

The board is not a hazard to health. In the event of fire the laminate does not contain chlorine or halogens.

The following risks should be taken into account. Cutting the panel can output dust that could be considered dangerous if inhaled. It may cause irritation of the nose throat eyes and skin.