

NAV LiteBoard Product Information

Advantages

The significant weight reduction amounting to approximately 33.5% compared to normal chipboard is achieved through the introduction of expanded polystyrene balls into the core layer of the board. These replace a portion of the wood chips.

NAV LiteBoard is available in thicker sizes than standard chipboard, and other similar substrates. These new, thicker sizes open up a whole range of different applications and concepts.

Complementing the reduced weight in a versatile range of thicknesses.

NAV LiteBoard is available in 16mm, 33mm, 40mm, and 49mm thickness.

Further Benefits

- Lower logistics costs
- Easier to handle in the factory
- Substitution of more expensive lightweight products such as Honeycomb board, hempboard or plywood
- Reduces the need for costly and specialised fittings technology compared to honeycomb board.

Areas of Application

NAV LiteBoard is suitable for use in the following areas and applications:

- Lightweight furniture
- Lightweight office furniture
- Doors
- Partition walls
- For sliding doors
- Table and bench tops
- Shop and exhibition stands
- Interior fittings for pre-fabricated houses
- Shelving
- Caravan and ship construction

Environmental Benefits

Weight savings throughout the entire supply chain save fuel and reduce transport costs. These reductions during transport all benefit the environment by emitting less noxious gases and fumes.

NAV LiteBoard emits less formaldehyde than standard chipboard currently achieving an E1 Formaldehyde rating.

- “Blue Angel” environmental label even with E1 gluing systems
- Website: <http://www.blauer-engel.de/en/>
- Complies with the strict standards of CARB und IOS-Mat 3

Working with NAV LiteBoard

➤ **Painting and coating**

- The surface layer can be painted and coated in just the same way as conventional chipboard.

➤ **Gluing**

- NAV LiteBoard products are easy to glue using PVAC adhesives.
- **Hot-melt adhesives:** The normal processing temperature at the time of gluing should be approximately 100°C. The slight melting of polystyrene balls above 100°C improves the adhesive strength of the edging materials.

➤ **Soiling of tools**

- Soiling of tools when processing NAV LiteBoard is comparable to that when processing conventional wood materials.

Storage and handling of NAV LiteBoard products

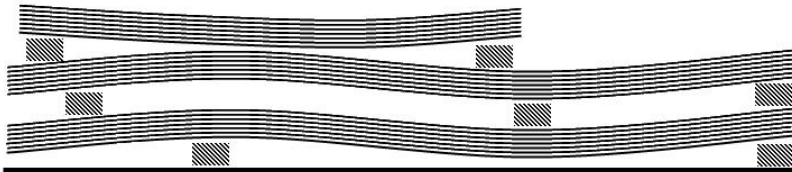
Storage

The following recommendations should be applied to maintain NAV LiteBoard panels in good order and condition. The storage area should be protected from the sun, rain and wind.

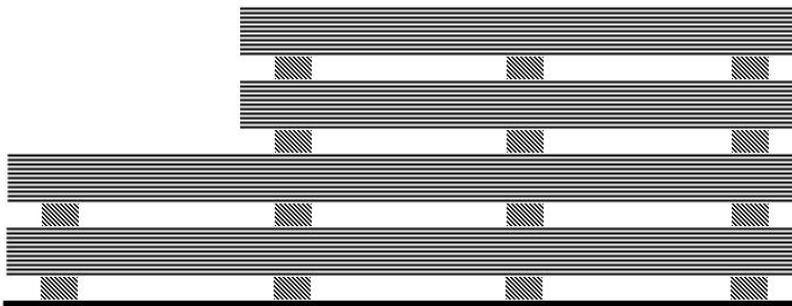
All packs should be evenly supported at each end at intervals of not more than 750mm where packs are multiple stacked, and no further than 150mm from the edge of the boards.

All supports should be vertically aligned.

See below for storage methods:



Incorrect Storage



Correct Storage