Sound Service OXFORD Ltd
Soundproofing to shout about

THIN OVERLAY BOARD

Technical Data and Installation Instructions

Water resistant 6mm thick MDF tongue and groove overlay board for stability on top of thin acoustic underlay including Linoroll.

- Highly suitable for profiling
- High edge stability
- Excellent density profiles
- Strong internal bond
- Even fibre composition
- Excellent surface quality
- Low swell values
- High bending resistance
- Good static loading capacity

Sheet size: 6mm: 1200mm x 600mm t&g;

Technical Specification	**Test Method**	**Range**	**Thickness 6mm**
Internal Bond	EN 319	Min	0.90 N/mm2
Modulus of Rupture	EN 310	Min	35.0 N/mm2
Modulus of Elasticity	EN 310	Min	3500 N/mm2
Moisture Content	EN 322	Min-Max	5 – 9%
Thickness Tolerance	EN 324-1	Min-Max	+/-0.15mm
Thickness Swelling (24hrs)	EN 317	Max	12%

Dimensional Movement	**Test Method**	**Range**	**Thickness 6mm**
Length/Width	EN 318	Max	0.3%
Thickness	EN 318	Max	4.0%

Changes After Wet Cycle Test	**Test Method**	**Range**	**Thickness 6mm**
Thickness Swelling	EN 317	Max	19.0%
Internal Bond	EN 319	Min	0.30 N/mm2

Note: All board parameters are in compliance with EN 622 Parts 1 & 5 for type MDF.H (Option 1)

Fire Rating: Fire Rating Euro Class D within new European classifications

Performance
The test methods used for moisture resistant JCW MDF Overlay Board include a specialized cyclic test (EN 321) in which test pieces, after conditioning, are immersed in water at 20 Deg C for 72 hours, frozed in air at -12 Deg C for 24 hours and heated in an air-circulated oven at 70 Deg C for 72 hours. This cycle is carried out 3 times, followed by post conditioning and physical testing according to EN 622 test methods. This thin overlay board is accepted in the UK by the NHBC for use in suitable applications.

Conditioning
The moisture content of the thin MDF Overlay Board is in the range of 7% =/- 2% at the time of manufacture. Changes in dimensions of wood and wood based sheet materials do occur due to changes in relative humidity. For this reason, thin overlay board should be conditioned to the final environment for 2 – 3 days before cutting and fixing.

Committed to the Environment

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Sequence of Work

1. Ensure the entire floor area is swept free of debris.
2. After gluing down the Linoroll wall to wall, glue the MDF panels on top as follows.
3. Work is commenced from one edge of the floor, staggering the joints in successive rows and working towards the exit. Ensure each panel is glued down using our Sta-Stuk contact adhesive.
4. Cut the groove from the long and short edges of the first corner board using a cross-cut saw..
5. Allow a 10mm expansion gap between the thin MDF panels and all walls or existing skirting. Seal this gap with Acoustic Sealant.
6. The last board in the first row is cut to length and the off-cut carried forward to commence the second row, ensuring that joints are staggered.
7. This procedure is continued until the last panel is fitted.
8. To ensure tight jointing, each tongue and groove is glued using a waterproof PVA adhesive.
9. Any unavoidable gaps are filled with Acoustic Sealant.
10. The completed floor must not be walked on for at least 48 hours to ensure the glue used in the tongue and groove joints has fully cured.

Care must be taken not to damage the joints of the panels before installation. If any damage does occur, simply cut away the damaged section and use as normal or for cutting in.

Advice and Technical Assistance
Please contact us for technical support and advice or for more information about any of our acoustic products and solutions.

Disclaimer
The product and installation information contained in this Data Sheet and General Installation Guide is to the best of our knowledge correct. Please contact us prior to starting work if in any doubt how to install the product.