



**MEDITE FQ** (Flooring Quality) is an MDF panel developed specifically with a higher density and improved moisture resistance, making it ideal for use in laminated flooring applications. Developed at MEDITE's world class MDF facility in Clonmel MEDITE FQ broadens the range of the MEDITE family of high performance MDF products.

### APPLICATIONS

MEDITE FQ is a suitable substrate for a wide variety of overlay materials such as wood veneers, high pressure laminates and melamine impregnated paper overlays. MEDITE FQ is suitable for use in internal dry conditions as defined in EN 622 part 5. Boards of this type are suitable for use in Hazard Class 1 of EN 335-3.

### PERFORMANCE

MEDITE FQ exceeds the requirements of type HDF board outlined in the product standard developed by European MDF manufacturers "Requirements for HDF for laminated and veneered flooring."

### APPEARANCE

MEDITE FQ retains the light tan colour of the wood fibre from which it is manufactured.

### CONDITIONING

The moisture content of MEDITE FQ is in the range of 5-9% at the time of manufacture. Changes in dimensions of wood and wood-based sheet materials occur due to changes in relative humidity. For this reason, both raw panels and laminate as well as the finished panels should be conditioned before and after lamination to allow materials to reach an equilibrium. Laminated and veneered flooring elements are designed to be balanced, i.e. laminated on both sides.

### MACHINING/FINISHING

Panels should be overlaid with a laminate suitable for intended purpose and equipped with an appropriate backing to avoid warping. It is recommended that tongue-and-groove joints are sealed with a suitable MDF sealer to avoid penetration of water via the joints.

### FIRE RATING

MEDITE FQ substrate is expected to achieve a fire class rating of Euroclass D within the European classifications.

### AUTHORITY

MEDITE FQ is manufactured under an NSAI registered I.S. EN ISO 9001 quality management system.

### SUPPLY

MEDITE FQ is primarily produced in thicknesses from 4mm – 9.5mm with a density of between 830-880 Kg/m³. Panel sizes will vary according to customer requirements.

### SERVICE

For further information and/or technical advice regarding MEDITE FQ, please contact MEDITE Technical Support Personnel:

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### MEDITE FQ MDF TECHNICAL SPECIFICATION SHEET

| PROPERTY                   | RANGE   | TEST METHOD | UNITS | 4.0 to 6.0mm | >6.0 to 9.5mm |
|----------------------------|---------|-------------|-------|--------------|---------------|
| Internal Bond              | Min     | EN 319      | N/mm² | 1.50         | 1.50          |
| Modulus of Rupture         | Min     | EN 310      | N/mm² | 50.0         | 50.0          |
| Modulus of Elasticity      | Min     | EN 310      | N/mm² | 4500         | 4500          |
| Screw Holding Face         | Min     | EN 320      | N     | -            | -             |
| Screw Holding Edge         | Min     | EN 320      | N     | -            | -             |
| Moisture Content           | Min-Max | EN 322      | %     | 5-9          | 5-9           |
| Thickness Tolerance        | Min-Max | EN 324-1    | mm    | +/-0.15      | +/-0.15       |
| Thickness Swelling (24hrs) | Max     | EN 317      | %     | 20.0         | 15.0          |

### DIMENSIONAL MOVEMENT

|              |     |        |   |     |     |
|--------------|-----|--------|---|-----|-----|
| Length/Width | Max | EN 318 | % | 0.4 | 0.4 |
| Thickness    | Max | EN 318 | % | 4.0 | 4.0 |

The results as listed above are based on the minimum specification requirements for all MEDITE FQ (Flooring Quality) MDF manufactured by MEDITE EUROPE DAC. All board parameters are in compliance with EN 622 parts 1 & 5 and the products standard developed by European MDF manufacturers "Requirements for HDF for laminated and veneered flooring" 1997. As part of the MEDITE EUROPE DAC ongoing product development programme, the right to modify these product specifications without notice is reserved. Individual customer specifications without notice is reserved. Individual customer specifications for MEDITE FLOORING QUALITY MDF are available upon request. Minimum quantities may be required. All MEDITE products conform to E1 formaldehyde levels as well as also complying with the lower levels required by CARB phase 2.

This leaflet is provided for information purposes only and no liability or responsibility of any kind is accepted by MEDITE EUROPE DAC or their representatives. MEDITE EUROPE DAC have used reasonable efforts to verify the accuracy of any advice, recommendation or information. MEDITE EUROPE DAC reserves the right to alteration of its products, production information and range without notice. As we continually update our technical datasheets please check on [www.mdfosb.com](http://www.mdfosb.com) to ensure you have the latest version.



The mark of  
responsible forestry  
FSC® C020700



All MEDITE MDF products supplied for use in the construction and civil engineering industries are CE marked according to the requirements of the harmonised European standard for wood based panels EN 13986. This provides the necessary assurance to customers and users that MEDITE conforms with the European MDF standard, EN 622-5 and meets all the essential requirements for the Construction Products Directive that are relevant to the product.

In accordance with the provisions of Third Party Certification required within the Final Regulations Order of the Airborne Toxic Control Measure (ATCM) by the California Air Resources Board (CARB) all MEDITE MDF products are CARB Phase 2 Compliant. The approved Third Party Certifier (TPC) Entwicklungsund Prüflabor Holztechnologie GmbH (EPH – TPC No W-08-010) is contracted by MEDITE to perform the quarterly assessment of the factory production control and to have the stipulated formaldehyde tests carried out by the accredited EPH test laboratory.

V 05/17

