

## Medite FR

Medite FR (Flame Retardant) Euro Class B & C is an MDF panel developed specifically for use in situations where a Euro Class B or a Euro Class C flame retardant board is required under building regulations. Developed at Medite's world class MDF facility in Clonmel, Medite FR broadens the range of the Medite family of high performance MDF products.

**Applications** Medite FR Euro Class B & C (formerly Class 0 and Class 1 BS 476 part 6 & 7 respectively) panel products are suitable for use as wall linings, partitions, display panels, ceilings etc. Typical installations are: hotel foyers, offices, public libraries, schools, court houses, hospitals, cinemas, discotheques and some shipbuilding applications. Medite FR Euro Class B & C is not suitable for external or structural applications, nor where exposure to water or high relative humidity may be encountered. Medite FR Euro Class B & C 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-fire resistance** Medite FR Euro Class B & C has been certified for 30 minutes fire resistance of symmetrical non-load bearing partitions. Before designing or using this feature, careful duplication and testing

of the various partitions to BS476 part 22 is required. Please refer to Medite Europe Document - '30 minute Fire Resisting Partitions'. Ref: 30/FR/P/04/95.

**Appearance** Medite FR Euro Class B & C is distinguishable from other Medite MDF products by its pink identification colour.

**Machining/finishing** Cut or profiled edges of Medite FR Euro Class B & C should first be sanded with 150-240 grit, prior to painting. When choosing a coating system it should be confirmed with the paint manufacturer that the coating will not adversely affect the classification of the Medite FR Euro Class B & C



panel. There is a variety of flame retardant paints to choose from which provide resistance and wear qualities equal to general decorative paints. The method of application will depend directly on the type of paint selected.

**Conditioning** The moisture content of Medite FR Euro Class B & C is in the range of 7% +/- 2% 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, Medite FR Euro Class B & C panels should be conditioned to the final environment for two to three days before cutting and fixing.

**Authority** Medite FR Euro Class B & C (EN 13823 + EN 11925-2) is manufactured under an NSAI registered I.S. EN ISO 9001:2000 quality management system. Medite FR Class B 6-25mm has achieved the wheelmark certification for use in certain applications on marine vessels.

**Supply** Medite FR Euro Class B & C is produced in the following standard panel sizes:  
 CLASS C - 1220 x 2440 and 1220 x 3050mm in 4, 6, 9, 12, 15, 18 and 25mm thicknesses.  
 CLASS B - 1220 x 2440 and 1220 x 3050mm in 6, 12, 15, 18 and 25mm thicknesses. Other thicknesses and panel sizes by special request.

**Fire rating** FR certification available on request.

**Service** For further information and/or technical advice regarding processing and painting/finishing of Medite FR Euro Class B & C, please contact Medite Technical Support Personnel through any of our European offices. [www.medite-europe.com](http://www.medite-europe.com)

*All Medite MDF products supplied for use in the construction and civil engineering industries are CE marked according to the requirements of the harmonized 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) Entwicklungs- und 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.*



[www.coillte.com](http://www.coillte.com) [www.medite-europe.com](http://www.medite-europe.com)

**Medite FR MDF Technical Specification Sheet** Thickness (mm)

PROPERTY	RANGE	TEST METHOD	UNITS	4.0 to 6.0	>6.0 to 9.0	>9.0 to 12.0	>12.0 to 19.0	>19.0 to 30.0
Internal Bond	Min	EN 319	N/mm <sup>2</sup>	0.65	0.65	0.65	0.60	0.60
Modulus of Rupture	Min	EN 310	N/mm <sup>2</sup>	35	35	30	25	25
Modulus of Elasticity	Min	EN 310	N/mm <sup>2</sup>	3000	3000	3000	2700	2500
Screw Holding Face	Min	EN 320	N	~	~	~	900	900
Screw Holding Edge	Min	EN 320	N	~	~	~	850	850
Moisture Content	Min-Max	EN 322	%	5-9	5-9	5-9	5-9	5-9
Thickness Tolerance	Min-Max	EN 324-1	mm	+/-0.15	+/-0.15	+/-0.15	+/-0.20	+/-0.20
Thickness Swelling (24hrs)	Max	EN 317	%	25.0	17.0	15.0	10.0	10.0
<b>DIMENSIONAL MOVEMENT</b>								
Length/Width	Max	EN 318	%	0.4	0.4	0.3	0.3	0.3
Thickness	Max	EN 318	%	6.0	6.0	4.0	4.0	3.0

For information regarding availability of other Medite FR products, please contact Medite Europe sales personnel. The results as listed left are the minimum specification requirements for all flame retardant Medium Density Fibreboard manufactured by Medite Europe. All board parameters are in compliance with EN 622 parts 1 & 5. As part of the Medite Europe product development programme, the right to modify product specifications without notice is reserved. Medite FR conforms to E1 formaldehyde levels as well as also complying with the lower levels required by CARB phase 2.