



MEDITE FR



Medite FR (Flame Retardant) Class 0 & 1 is an MDF panel developed specifically for use in situations where a Class 0 or a Class 1 flame retardant board is required under standards set by the Singapore Fire Safety & Shelter Department. Tested by TÜV SÜD PSB Singapore for BS 476 Part 6 & 7, Medite FR achieves the Certificate of conformity (COC) for Class 0 and Class 1 respectively.

Applications

Medite FR Class 0 & 1 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 Class 0 & 1 is not suitable for external or structural applications, nor where exposure to water or high relative humidity may be encountered. Medite FR Class 0 & 1 is suitable for use in internal dry conditions as defined in EN622 part 5. Boards of this type are suitable for use in Hazard Class 1 of EN 335-3.

Performance-fire Resistance

Performance-fire resistance Medite FR Euro Class 0 & 1 has been certified and conforms to the BS 476 Part 6 (Fire Propagation Test) and BS 476 Part 7 (Spread of flame test) standards respectively. Please refer to test reports by TÜV SÜD PSB for more details. Fire rating Certificate of conformity (COC) and test reports available on request.

Appearance

Medite FR Class 0 & 1 is distinguishable from other MDF products by its pink identification colour.



Machining / Finishing

Cut or profiled edges of Medite FR Euro Class 0 & 1 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 Class 0 & 1 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.



www.coillte.com www.medite-europe.com

Storage

Medite FR Euro Class 0 & 1 panels should be conditioned to the final environment for two to three days before cutting and fixing. Medite FR Euro Class Class 0 & 1 should be stored indoors in a dry environment with boards parallel to the ground before use.

Authority

Medite FR Euro Class 0 & 1 (EN 13823 + EN 11925-2) is manufactured under an NSAI registered I.S. EN ISO 9001:2000 quality management system. Medite FR Class 0 6-25mm has achieved the wheelmark certification for use in certain applications on marine vessels.

Supply

Medite FR Euro Class Class 0 & 1 is available in the following standard panel sizes:

CLASS 0:

1220 x 2440 in 4, 6, 9, 12, 15, 18 and 25mm thicknesses

CLASS 1:

1220 x 2440 in 6, 12, 15, 18 and 25mm thicknesses

Other thicknesses and panel sizes are available by special request.



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 ²	0.65	0.65	0.65	0.60	0.60
Modulus of Rupture	Min	EN 310	N/mm ²	35	35	30	25	25
Modulus of Elasticity	Min	EN 310	N/mm ²	3000	3000	3000	2700	2500
Screw Holding Face	Min	EN 320 N	N	~	~	~	900	900
Screw Holding Edge	Min	EN 320N	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		%	25.0	17.0	15.0	10.0	10.0
DIMENSIONAL MOVEMENT								
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 NS Trading. The specifications listed on the 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.

Notable Project References

Our satisfied clients include:

Ascentia Sky Condominium

Hotel Michael

Louis Vuitton Island Maison

Marina Bay Sands Hotel

NUH Medical Centre

The Star Performing Arts Centre

The Tree House Condominium

amongst other major construction projects.

Official Distributor

NS Trading is the official distributor for Medite products in Singapore. For general information and enquiries about our product lines, delivery, lead-times and other ordering information, please contact us at:

Tel: 6269 8080 | 6269 9090

Fax: 6368 4848

Email: nstrading@singnet.com.sg

Our showroom is located at No. 22, Sungei Kadut Ave, Singapore 729657, call us to arrange a viewing today.