



DELTA®

MARINE BOARD

Lightweight - Versatile – Efficient

DELTA® MARINE Board is manufactured in three (48 kg) through eight pounds (128 kg) per cubic foot (cubic meter) densities from felted mineral wool bonded together with a high temperature binder. It has been tested by Southwest Research Institute and approved by the United States Coast Guard with certificate of approval numbers listed below. DELTA® MARINE Board is thermally efficient, acoustically proficient, semi-rigid insulation designed for various marine applications such as insulating/fire protection for bulkheads, wall and ceiling assemblies, in addition to being suitable for ducts, mufflers, and exhaust stacks.

Coast Guard Approval Numbers:

DELTA® Marine Board Density & Installed Thickness	U. S. Certificate Numbers	Tested "A" Ratings
3A through 8A lb/ft3 Densities ALL THICKNESS	164.109/5/0	N. A.
7A IMO lb/ft3 Densities* [installed] 3" thickness or greater and 1.5" on stiffeners	164.107/5/0	A – 60 (Bulkhead)
7A IMO lb/ft3 Densities* [installed] 2" thickness or greater and 1." on stiffeners	164.107/6/0	A – 60 (Deck)

Physical Properties: All values in () are approx. metric conversions.

Delivered Densities: 3A through 8A lb/ft3 (48 through 128 kg/m3) *Average Density Tolerance by package weights: minus 10 % [ASTM C 303]

Service Temperatures: [ASTM C 411]

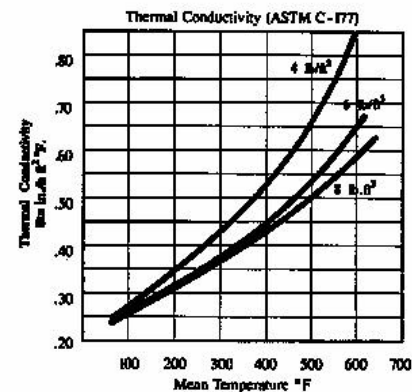
4A lb/ft3 (64 kg/m3) up to 850° F*(454° C*)
 6A lb/ft3 (96 kg/m3) up to 1000° F*(538° C*)
 7A & 8A lb/ft3 (128 kg/m3) up to 1200° F*(649° C*)

Corrosion to Steel, Aluminum, Copper [ASTM C 665]-
None

Moisture Sorption, Vapor [ASTM C 1104] ...Less than 1%
 Water wicking resistant* and Non-hygroscopic.* Does not
 promote growth of fungi or bacteria. Noncombustible
 Unfaced Board [ASTM E 136 and USCG 164.109/5/0]

Thermal Conductivity: [ASTM C 177 & C 518] Btu in/h ft²
°F (W/m K)

Delivered Density lbs/ft3 (kg/m3)	3A (48)	4A (64)	6A (96)	8A (128)
75° F.(24° C) mean, R-Factors	4 per in.	4.17 per in.	4.17 per in	4.17 per in
75° F.(24° C) mean temperature	.25(.036)	0.24(.035)	0.24(.035)	0.24(.035)
200° F.(93° C) mean temperature	N. A.	0.34(.049)	0.29(.042)	0.29(.042)
300° F.(149° C) mean temperature	N. A.	0.43(.062)	0.35(.050)	0.35(.050)
400° F.(204° C)mean temperature	N.A.	0.55(.079)	0.42(.061)	0.42(.061)
500° F.(260° C)mean temperature	N.A.	0.68(.098)	0.51(.074)	0.49(.071)



Surface Burning Characteristics:				
Flame Spread Index...	0	0	10	10
Smoke Developed Index...	0	0	0	0
Standard Thickness w/ 96 B.F./ pkg., except 2½" w/ 100 B.F./pkg.	2" - 4"	2" - 4"	2" - 4"	1" - 3"
Available thickness(s) in ½" incr.				
Standard Sizes shipped in polyethylene shrink-pack package	16" & 24" x 48"	24" x 48"	24" x 48"	24" x 48"

Specifications:

U. S. Coast Guard 46 CFR Parts 164.109/5/0,
164.107/5/0 and 164..107/6/0

Non-Combustible and Structural Fire Installation, Class
"A-60"

ASTM C 612, Type I, II, III and/or IV, Varies with density.
U.S. Federal Specification HH-I-558B and C

*Consult manufacturer for limitations under elevated temperature