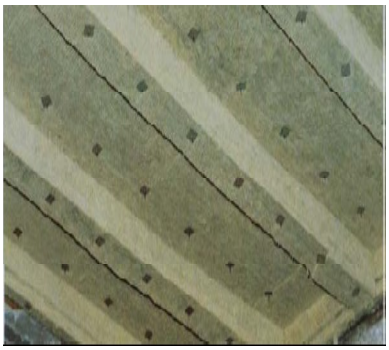

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AMSN HULLBOARD

AMSN Hullboard is thermal and acoustic insulation boards made from FIBERGLASS or MINERAL WOOL (4,5.5,6,7&8 PCF densities). These NON-COMBUSTIBLE hullboard products are offered with a variety of facings including standard fiberglass navy cloth (CF), reinforced mylar (WM), 2mil aluminum foil (AF) and perforated fiberglass cloth (WB).

AMSN Hullboard products are designed for use in shipboard applications requiring thermal, acoustical or fire wall treatment such as bulkheads, overheads, stiffeners and beams.

AMSN Hullboard products can be combined with various septa materials to provide Type III transmission loss treatments to shipboard areas requiring noise reduction or attenuation. For additional acoustic performance, the base board can be grooved or a waffleboard can be laminated to the base board. These products are faced with perforated fiberglass cloth.

AMSN Hullboard products offer low installed cost, superior thermal and acoustic performance, excellent fire resistant properties and compliance to Military and USCG specifications when requested. Mineral Wool products can be ordered to comply with USCG-IMO requirements.

TECHNICAL DATA	HB-PL	HB-CF	HB-WB	HB-WM	HB-GR	MW-PL
Specification Compliance						
Military	MIL-I-742 TY2	MIL-I-742 TY1	MIL-A-23054	MIL-I-22023 TY3		NAV803-5184182
ASTM			ASTM F2154	ASTM C1139		ASTM C612
46CFR(Shipping Parts)-USCG	164.109	164.109 164.112		164.109 164.112	164.109 164.112	164.107 164.109
Thermal Conductivity ASTM C-518 BTU-in-hr(1)-ft(2)-degF(1)	0.23	0.23	0.23	0.23	0.23	0.24
Density ASTM D-1667	2.8	2.8	2.8	2.8	2.8	5.5 to 8.0
USN 1/4 Scale Fire Test	N/A	N/A	N/A	PASS	N/A	N/A
Surface Burning ASTM E-84						
Flame Spread	25	25	20	10	N/A	N/A
Smoke Developed	50	5	50	20	N/A	N/A
Structural Fire Rating	N/A	N/A	N/A	N/A	N/A	A-15; A-30; A-60
Standard Thickness' are 1"(25mm), 1-1/2"(38mm), 2"(50mm) Standard Sheet Sizes are 24"(610mm) x either 36"(915mm) or 48"(1220mm)						