



AMSN INSULFIRE

AMSN INSULFIRE products are structural fire wall insulation blankets or sheets that are made from AMORPHOUS WOOL (AW). These NON-COMBUSTIBLE structural passive fire wall 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 (WP).

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

AMSN INSULFIRE products can be combined with various septa materials to provide transmission loss treatments to shipboard areas requiring noise reduction or attenuation. For additional acoustic performance, a waffleboard perforated glass cloth composite can be laminated to the base material.

AMSN INSULFIRE products offer low installed cost, superior fire, thermal and acoustic properties and compliance to USCG. AMSN INSULFIRE AW products are approved for structural fire protection of IMO high speed craft and SOLAS commercial vessels.

Structoguard (pictured above left) , a Thermal Ceramics material, is certified to Mil-PRF-32161 and is the USN's choice for passive fire wall insulation on the DDG program. Separate Thermal Ceramics data sheet download is attached.

TECHNICAL DATA	Structoguard FA 5/8" THICK	Structoguard FB 1-1/4" THICK	Structoguard FC 1-7/8" THICK	INSULFIRE AW-PL	INSULFIRE AW-FF	INSULFIRE AW-WM
Specification Compliance USCG	Mil-PRF 32161	Mil-PRF 32161 164.007	Mil-PRF 32161 164.007	164.107	164.107 164.112	164.107 164.112
Density lb/ft ³ ASTM D-1667	7.25	7.25	7.25	6 or 8	6 or 8	6 or 8
Surface Burning ASTM E-84 Flame Spread Smoke Developed	NA NA	NA NA	NA NA	0 0	N/A N/A	N/A N/A
Structural Fire Rating A-15 A-30 A-60				1-1/2"-6 lb/ft ³ per IMO Std.(For Alum Bulkhead) 1-1/2"-6 lb/ft ³ per IMO Std.(For Alum Bulkhead) 2"-6 lb/ft ³ per IMO Std. (For Alum Bulkhead)		
Standard AW Thickness' are 1"(25mm), 1-1/2"(38mm), 2"(50mm) Standard roll size (AW only) is 24"(610mm) or 48" (1220mm) x 25 ft(7.5m) Standard Sheet Sizes are 24"(610mm) x either 36"(915mm) or 48"(1220mm)						

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