



**UPF CORPORATION**  
ULTRACORE DIVISION

## ULTRACORE MARINE INSULATION G3 UMI 1075, 1100

### APPLICATION

UMI G3 1075 and 1100 grade insulations are lightweight thermal acoustic fiber glass battings for use in the marine and maritime industries.

### DESCRIPTION

The UMI G3 battings are manufactured to provide weight savings without sacrificing exceptional thermal acoustic performance. The thermoset phenolic resin binder system imparts excellent water repellency and flame and punking resistance.

Standard color is yellow. Other colors are available upon request

UMI insulations are also available with navy cloth and other facings.

### PERFORMANCE

- Meets IMO non-combustibility requirements
- Meets IMO fire-restricting requirements
- Meets MIL, DOD fire requirements
- Low smoke density
- Low toxic gas emissions
- Excellent sound absorption
- Good thermal conductivity
- Non-corrosive / Neutral pH
- Good dimensional stability and strength
- Vibration damage resistant
- Resilient
- Fungal growth resistant
- Water repellent
- Non-wicking

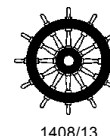
The media meets the relevant sections of marine insulation specifications MIL-I-742F, MIL-I-22023D, DOD-I-24688.

AVAILABILITY						
PRODUCT	DENSITY lbs. / ft <sup>3</sup>	THICKNESS inch	ROLLS		PIECES	
			WIDTH inch	LENGTH feet	WIDTH inch	LENGTH inch
UMI 1075	0.75	0.50, 1.00, 2.00	Up to 72	200, 100, 50	24, 48	36, 48
UMI 1100	1.00	0.50, 1.00, 2.00	Up to 72	200, 100, 50	24, 48	36, 48

OTHER DENSITIES, THICKNESSES, WIDTHS AND LENGTHS ARE AVAILABLE UPON REQUEST

SOUND ABSORPTION COEFFICIENT / ASTM C423														
SIZE	MIL-I-22023D, DOD-I-24688 MINIMUM							ULTRACORE MARINE INSULATION						
	125 Hz	250	500	1000	2000	4000	NRC	125 Hz	250	500	1000	2000	4000	NRC
1/2 inch	0.04	0.10	0.20	0.40	0.55	0.55	0.31	0.07	0.05	0.21	0.51	0.73	0.93	0.40
1 inch	0.06	0.20	0.45	0.65	0.65	0.65	0.49	0.06	0.15	0.73	1.00	1.07	1.07	0.75
2 inch	0.15	0.40	0.75	0.75	0.75	0.70	0.66	0.15	0.42	1.20	1.10	1.05	1.07	0.95

THERMAL CONDUCTIVITY / ASTM C518		
MIL-I-22023D MAXIMUM	DOD-I-24688 MAXIMUM	ULTRACORE MARINE INSULATION
0.30 Btu-in/hr-ft <sup>2</sup> -°F	0.32 Btu-in/hr-ft <sup>2</sup> -°F	0.23 Btu-in/hr-ft <sup>2</sup> -°F



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