



**ULTRACORE DIVISION**  
Bakersfield, California

## ULTRACORE AIRCRAFT INSULATION UAI-1040WR

### APPLICATION

UAI-1040WR grade insulations are light weight thermal acoustic AA fiber glass battings for use in the aircraft and aerospace industries.

### DESCRIPTION

The UAI battings are manufactured to provide exceptional thermal acoustic performance. The thermoset phenolic binder system imparts excellent water repellency and flame and punking resistance.

### ROLL SPECIFICATIONS

Width (inches): Maximum 72 (Tolerance +/- 0.25)  
Length (feet): Standard 100  
Core: Cardboard with 2 inch ID

### PERFORMANCE

Water repellent  
Flame and punking resistant  
Low smoke density and toxicity  
Non-corrosive  
Good dimensional stability and strength  
Vibration damage resistant  
Fungal growth resistant  
Non-wicking

AVAILABILITY			
DENSITY lbs / ft <sup>3</sup>	THICKNESS inch	COLOR	SPECIFICATIONS AND COMPLIANCES
0.42	0.50, 1.00, 1.50, 2.00	YELLOW	BMS 8-48, DMS 2151, STM 26701, ASTM C800, FAR 25.853
OTHER THICKNESSES, COLORS AND SPECIFICATIONS ARE AVAILABLE UPON REQUEST			

THERMAL CONDUCTIVITY – ASTM C518								
PRODUCT	DENSITY lb / ft <sup>3</sup>	THICKNESS inch	MEAN TEMPERATURE (btu-in)/(°F-hr-ft <sup>2</sup> )					
			50 °F	75 °F	100 °F	200 °F	300 °F	400 °F
UAI 1040WR	0.42	0.50	0.23	0.25	0.27	0.34	0.43	0.54
UAI 1040WR	0.42	1.00	0.25	0.27	0.29	0.38	0.51	0.69

TRANSMISSION LOSS – ASTM E90						
PRODUCT	DENSITY lb /ft <sup>3</sup>	THICKNESS inch	THICKNESS AS TESTED inch	dB LOSS		
				1000 Hz	2000 Hz	4000 Hz
UAI 1040WR	0.42	0.50	3* x 0.50	6.3	10.5	14.5
UAI 1040WR	0.42	1.00	3* x 1.00	11.0	20.1	28.7
*BOEING BMS 8-48 SPECIFIES THREE LAYERS TO BE INSTALLED IN FRAME FOR TESTING						

Web Site: [www.upf-usa.com](http://www.upf-usa.com)

Customer Service: [upfcustomersvc@upf-usa.com](mailto:upfcustomersvc@upf-usa.com)