



# VERSAMAT® ACOUSTIC INSULATION

## Applications

As a result of its unique construction and the nature of the raw material, VersaMat® Insulation offers an attractive property profile:

- Commercially odorless
- Exceptional acoustic absorption
- Excellent flammability rating
- Chemical and allergy free
- High flexibility
- Recyclable
- Mildew and bacteria resistant

## Description

VersaMat® Insulation is a family of advanced thermal and acoustic insulating materials engineered for application specific performance. The composition of VersaMat® Insulation varies, depending on the application, but generally consists of polymer designed to meet specific thermal, acoustic or structural requirements. In addition to the wide range of fiber blends, VersaMat® Insulation can be combined with films, foils and scrims to further enhance its physical properties. And, VersaMat® products contain no chemical binders.

VersaMat® Insulation has excellent flammability ratings and is suited for applications up to 300°F. It is also important to note that VersaMat® Insulation is moldable and is an excellent alternative to traditional molding media.

Owens Corning can provide VersaMat® Insulation fabricated into die-cut parts. VersaMat® Insulation provides excellent dimensional stability and exceptional handling characteristics resulting in a broad spectrum of applications. Current market applications include appliance, HVAC, and many other applications.

## VersaMat® Physical Properties

VersaMat® Insulation provides a unique opportunity to meet your thermal and acoustic requirements with a cost-effective, lightweight material that offers excellent performance. VersaMat® Insulation allows ease of handling in assembly due to the soft, non-irritating nature of the material.

PROPERTY	VALUE
Weight Range (GSM)	100 - 1500
Thickness Range (mm)	6 - 100
Color	White (other colors available upon request)

## VersaMat® Applications

MAJOR HOUSEHOLD APPLIANCE	880	1800	2110	2510	FACED
Clothes Dryer		X	X	X	X
Clothes Washer		X	X	X	X
Dishwasher		X	X	X	X
Water Heater	X		X	X	
Vacuum Cleaner		X	X	X	X

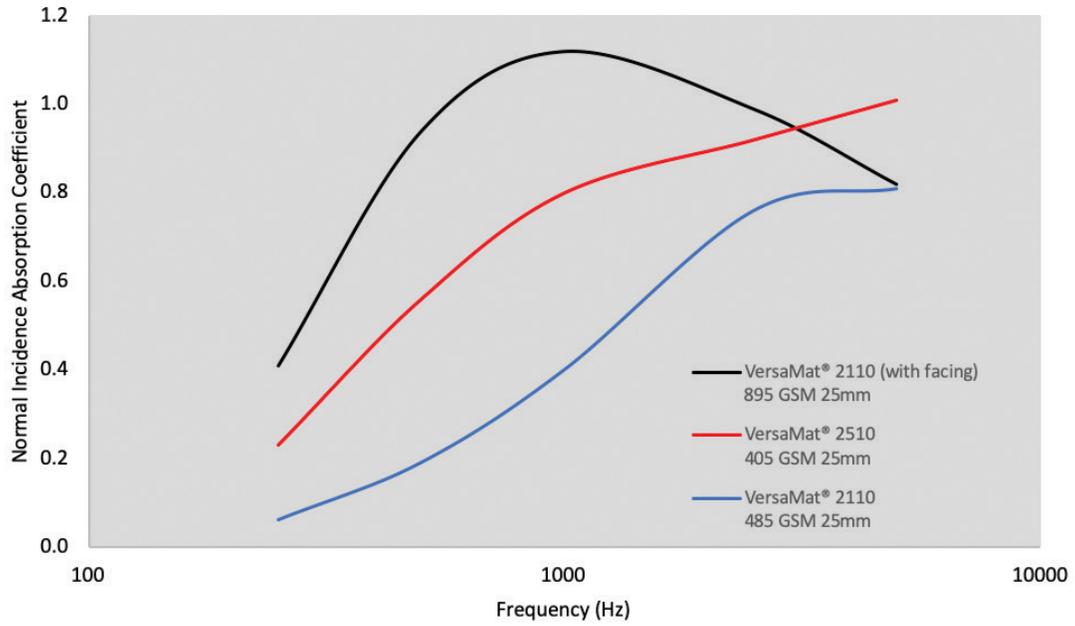
## VersaMat® Flammability Data

PRODUCT	UL 94	
	HB	HF-1
VersaMat® 2110 485 GSM 25mm	Pass	Pass
VersaMat® 2510 405 GSM 25mm	Pass	Pass

## VersaMat® Thermal Data

PRODUCT	MAX SOAK TEMPERATURE (°C)	R-VALUE
VersaMat® 2110 485 GSM 25mm	93.3	3.8
VersaMat® 2510 405 GSM 25mm	93.3	4.1

## VersaMat® Acoustic Graph



## VersaMat® Acoustic Data

PRODUCT	FREQUENCY (Hz)				
	250	500	1000	2500	5000
VersaMat® 2110 485 GSM 25mm	0.06	0.19	0.40	0.76	0.81
VersaMat® 2510 405 GSM 25mm	0.23	0.56	0.80	0.92	1.01
VersaMat® 2110 (with facing) 895 GSM 25mm	0.41	0.94	1.12	0.99	0.82

