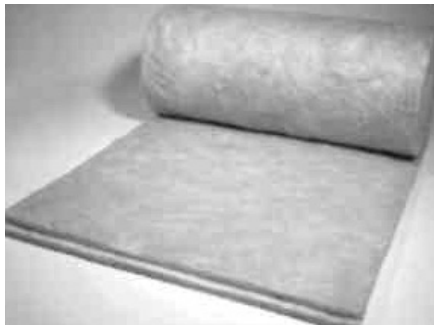




INNOVATIONS FOR LIVING™

H₂V™
Equipment Insulation

Product Data Sheet



Physical Property Data

Property	Test Method	Value
Surface Burning Characteristics	ASTM E 84, UL 723, CAN/ULC S-102	Meets 25/50 FHC
Operating Temperature	ASTM C 411	up to 350°F (177°C)
Corrosion	ASTM C 665	Meets Standard
Mold Growth	ASTM C 1338	Meets Standard

¹The surface burning characteristics of these products have been determined in accordance with UL 723, ASTM E 84, or CAN/ULC-S102M. This standard should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

Description

H₂V™ equipment insulation is a light yellow, medium density, cost effective, resilient insulation blanket formed from inorganic glass fibers and bonded with a thermoset resin.

H₂V™ equipment insulation is available with FSK (Foil Scrim Kraft) facing and unfaced.

Uses

Owens Corning's H₂V™ equipment insulation products are designed specifically for the heating, ventilating, and air conditioning equipment market, and are recommended for acoustical and thermal applications up to 350°F surface temperatures. Air stream applications require a surface coating or facing.

Product Attributes

Excellent Acoustical Properties

The proven and improved sound absorption performance of this family of products reduces equipment noise.

Ease of Fabrication

These products are slit or die cut readily to provide neat and clean finished parts for your application.

Sound Absorption Coefficient

ASTM C 423 - Type "A" Mounting¹

Product	Thickness (Inches)	Octave Band Center Frequencies, Hz.							NRC	SAA
		125	250	500	1000	2000	4000			
H ₂ V-1000	1	0.07	0.31	0.60	0.85	0.90	0.97	0.65	0.66	
	1.125	0.11	0.33	0.69	0.9	0.97	1.01	0.70	0.72	
	2	0.27	0.65	1.06	1.05	1.00	1.04	0.95	0.93	
	2.25	0.34	0.77	1.18	1.12	1.04	1.07	1.05	1.02	
H ₂ V-2000	1	0.05	0.28	0.64	0.88	0.96	1.02	0.70	0.69	
	2	0.31	0.72	1.15	1.13	1.03	1.07	1.00	1.00	
	2.25	0.4	0.87	1.28	1.19	1.04	1.10	1.10	1.08	

¹Nominal samples were measured in accordance with ASTM C 423. These measured absorption coefficients were adjusted to values representative of the product with mean specification properties. While these values are an accurate representation of our product, they are for design approximations only. Production, testing, and application variability will alter results. Specific designs should be evaluated in end-use configurations.

Thermal Conductivity

"k", ASTM C 518

Product	Thickness (Inches)	Nominal "k"		Density ¹	
		BTU•in/(hr•ft ² •°F)	W/mK	pcf	Kg/M ₃
H ₂ V-500	1.0-2.25	0.260		1.00	16.0
H ₂ V-1000	0.625-2.25	0.250	0.036	1.20	19.2
H ₂ V-2000	0.50-2.25	0.240	0.035	1.44	23.1

¹Density value is nominal. Product control is on thermal conductivity.

H₂V-500, H₂V-1000, and H₂V-2000 Roll Availability

Thickness (Inches)	Widths (Inches)	Standard Roll Length (Ft)		
		H ₂ V-500	H ₂ V-1000	H ₂ V-2000
½	60	N/A	100	100
½	66	N/A	N/A	100
½	72	N/A	100	100
1	60	N/A	100	80
1	66	N/A	N/A	80
1	72	100	100	80

These rolls are individually wrapped in polypropylene and stretch wrapped into four packs. Additional lengths, widths, and thicknesses may be available at a price premium, please contact your Owens Corning Sales Representative with any special requirements.



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Ease of Installation

H₂V™ equipment insulation products handle well and are easy to install with either adhesive systems or mechanical fasteners.

Non-corrosive

H₂V™ equipment insulation products are non-corrosive and do not accelerate corrosion on copper, aluminum, or steel.

Rated Surface Burning

These products have a flame spread rating of 25 or less and a smoke developed rating of 50 or less per ASTM E 84, UL 723 and CAN/ULC S 102 meeting most model building codes.

Air Flow Performance

When faced or coated, these smooth well-bonded glass blankets perform well in air-stream applications.

Commercially Odorless

H₂V™ equipment insulation products use well-cured organic binder to avoid odor problems in commercial applications.

Packaging

Rolls are wrapped in ends-open polypropylene. UL labels are available when requested on purchase order.



INNOVATIONS FOR LIVING™

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