



# Owens Corning® Heating and Air Conditioning Fiberglas All-Service Duct Wrap

Fiberglas All-Service Duct Wrap insulation is a blanket of glass fibers, factory-laminated to a Foil-Scrim-Kraft (FSK) vapor retarder facing or other designated foil. Fiberglas All-Service Duct Wrap insulation is used to insulate commercial and residential heating, air conditioning and dual-temperature ducts operating at temperatures from 4°C to 121°C. This insulation, when applied in accordance with installation instructions, will provide the “Installed R-Value” as published for the product and printed on the facing, thus assuring specified in-place thermal performance and condensation control.



## Physical properties

Property	Test method	Technique request
Operation Temperature Range	ASTM C411	-4°C to +121°C
Thermal load contraction temperature	GB/T11835-1998	≥250°C
Corrosiveness	ASTM C665	Chemically Inert
Mold Growth	ASTM C665	No Growth
Moisture Absorption	ASTM C1104 GB 5480.7-87	@ 90% R.H. 49°C <3% by weight <5% by weight
Bulk Density (kg/m <sup>3</sup> ) Thermal Conductivity(k)(W/m°C) @24°C Mean	ASTM C177	16    24    32    40    48 0.039   0.036   0.034   0.033   0.032
Combustibility characteristics	ASTM E84 B.S.476  China National Standard GB 5464-1999	Flame Spread 25   Smoke Developed: 50 Part 6 - Fire Propagation Part 7 - Surface Spread of Flame Remark: Class "O" Fire Rating to the Building Regulations Section E15  Non-Combustible: A

\* Mean temperature is the average of two temperatures: the air inside the duct and that of the ambient air outside it.  
\*The tests applied to Unfaced Fiberglas Insulation.

# Owens Corning® Heating and Air Conditioning Fiberglas All-Service Duct Wrap

## Product Specifications:

Bulk Density (kg/m <sup>3</sup> )	16	24	32	40	48
Thickness(mm)	25	30	40	50	
Width(mm)	1200				
Length(mm)	10000-30000 (depends on density and width)				

\*Plastic package

\*Check for availability of other dimensions and densities.

## Features/Benefits

### • Assured Thermal Performance

When installed in accordance with instructions, so that compression is controlled, Fiberglas All-Service Duct Wrap provides specified thermal performance. Operating costs are controlled due to reduction of heat loss or gain through sheet metal duct walls.

### • Enhanced Comfort Control

Fiberglas All-Service Duct Wrap helps heating and cooling systems to deliver conditioned air to occupied spaces at or near design temperatures. By conserving heating and cooling energy, HVAC systems may operate under reduced load.

### • Flexible, Easy Installation

Fiberglas All-Service Duct Wrap is easily cut to fit flat, curved or irregular duct surfaces for a neat, thermally effective insulation blanket. Because it's easier to install than rigid boards, installation costs are lowered.

### • Variable Choice

Owens Corning provides variety of specification for customers. Users could choose different density and surface according to their own needs.

## R-Value: @ 24°C

Thickness(mm) \ Density(kg/m <sup>3</sup> )	16	24	32	40	48
	25	0.64	0.69	0.74	0.76
30	0.76	0.83	0.88	0.91	0.94
40	1.02	1.11	1.18	1.21	1.25
50	1.28	1.39	1.47	1.52	1.56

\*R-Value=Thickness/Thermal Conductivity(m<sup>3</sup>·°C/w)

## Notice

### • Condensation Control

There are several factors which impact condensation control: environment temperature, vapor barriers, operation temperature, width and thermal conductivity of insulation.

### • Energy Saving

Owens Corning offers all kinds of solutions to different regulations or standards. To make it more energy-efficient, please contact local sales.

### • Proper Installation

Please follow National Standards or contact Owens Corning for technical support.

