

# OWENS CORNING® Ecotouch™ : Next generation fiberglass insulation

Owens Corning (OC) develops, manufactures and markets insulation, roofing, and glass fiber composites. OC earned placement in the Dow Jones Sustainability World Index. It has been a Fortune 500 company for 64 consecutive years.

Owens Corning-A leading global producer of Fiberglass Insulation, is launching next generation product with following features:

- Made by PureFiber Technology
- Soft to the touch, less dust, easy to use, cut and split
- Premium facing: High strength, low permeability
- Contains no formaldehyde or acrylic ester binder#, bio-based
- GreenGuard Gold certified# ( UL 2818 : 2013 )
- Complies to the requirements of IS 8183:1993
- Suits Metal Building, HVAC, Acoustics insulation applications



## Physical properties:

Property	Test method	Result
Operation Temperature Range	ASTM C411	-4°C to +121°C
Corrosiveness	ASTM C665	Chemically Inert
Mold Growth	ASTM C665	No Growth
Moisture Absorption	ASTM C1104	@95% R.H.49°C <5% by weight
Bulk Density (Kg/m <sup>3</sup> )		16    24    32    48
Thermal Conductivity(k) (W/m <sup>2</sup> K) @24°C Mean*	ASTM C177	0.039   0.036   0.034   0.032
Combustibility	ASTM E84 BS 476	Flame Spread: 25, Smoke Developed: 50 Part 4 - Non-Combustible Part 6 - Fire Propagation <sup>^</sup> Part 7 - Surface Spread of Flame <sup>^</sup>

\*Mean temperature is the average of two temperatures: the air inside the duct/pipe and that of the ambient air.

\*The test applied to Unfaced Fiberglass Insulation. <sup>^</sup>The test applied to Faced Fiberglass Insulation

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## Product Specifications:

Bulk Density (kg/m <sup>3</sup> )	16	24	32	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.

## R-Value: @ 24°C

Thickness(mm) \ Density(kg/m <sup>3</sup> )	16	24	32	48
	25	0.64	0.69	0.74
30	0.77	0.83	0.88	0.94
40	1.02	1.11	1.18	1.25
50	1.28	1.39	1.47	1.56

R-Value=Thickness/Thermal Conductivity(m<sup>2</sup> °K/W)

## Facing

Depending upon the requirement, varieties of facings in white, black or aluminum finish are available. FM approved version can be made available. Consult your OC representative for selection of facing.

## Features/Benefits

### •Assured Thermal Performance

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

### •Enhanced Comfort Control

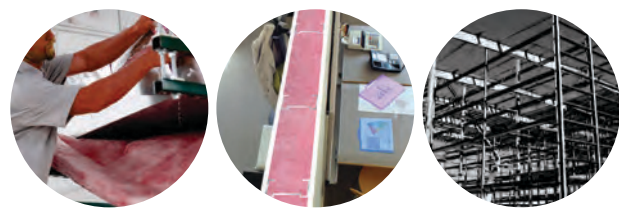
Product helps heating and cooling systems to deliver conditioned air to occupied spaces at or near design temperatures. By conserving heating and cooling energy, HVAC systems may operate under reduced load.

### •Flexible, Easy Installation

Product is easy cut to fit flat, curved or irregular duct surfaces for a neat, thermally effective insulation.

### •Variety of Choice

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



## 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 of 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.



#Ecotouch™ insulation products sold in India are imported from Owens Corning Guangzhou plant, China with GREENGUARD Gold Certification, and also the Ten Rings Environmental label (2015). The color PINK is a registered trademark of Owens Corning. ©2016 Owens Corning. All Rights Reserved.

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