

# Ecotouch™



**Owens Corning**

# Agenda



- About Owens Corning
- Features & Benefits
- Products & Applications
- Contribution to Green Building



# About Owens Corning



- Established in 1938
- Over \$5.4 billion of global sales, 15,000 employees in 25 countries
- A Fortune® 500 company for 61 years
- Listed in the Dow Jones Sustainability Index for 6 years in a row, for 3<sup>rd</sup> year leading DJSI World Building product group





## Our Businesses

- Insulation
- Roofing
- Composite



- Non-combustible
- Non Corrosive
- Versatile usages : Thermal and Acoustics
- Value for Money

**Efficient Thermal Insulation  
Superior Acoustic performance & SAFE**

# Launching Ecotouch™ Insulation



# Launching Ecotouch™ Insulation



- Major milestone of FG development
- Ecotouch™ :
  - Eco-binder : Green product
  - Fine fiber : soft feel
  - Premium facing : high strength, low WVTR



Owens Corning continues to provide more energy-efficient, more environmentally friendly and more sustainable products and systems



## A new generation of green insulation with PureFiber Technology

PureFiber Technology comprises of:

- Eco binder technology with plant based material
- Uses efficient fiberizing technology with lower energy consumption
- Advanced curing technology





# Features & Benefits: Plant-based Binder



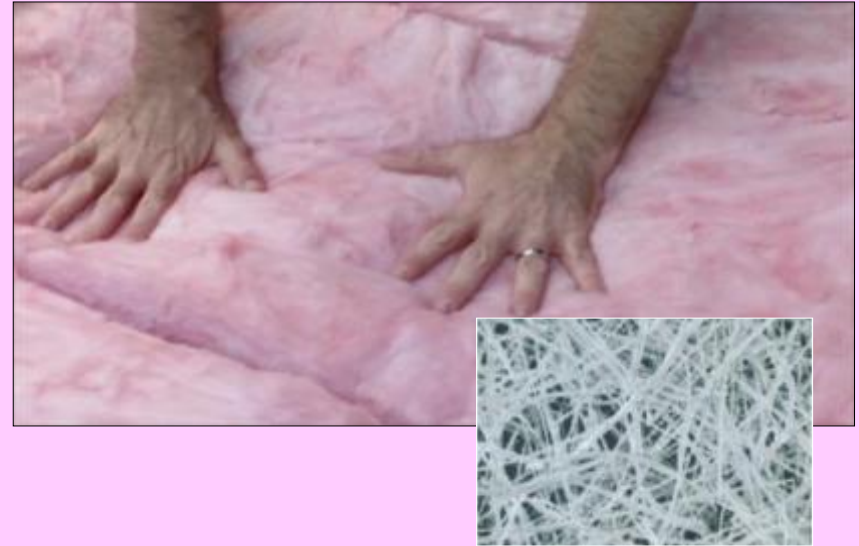
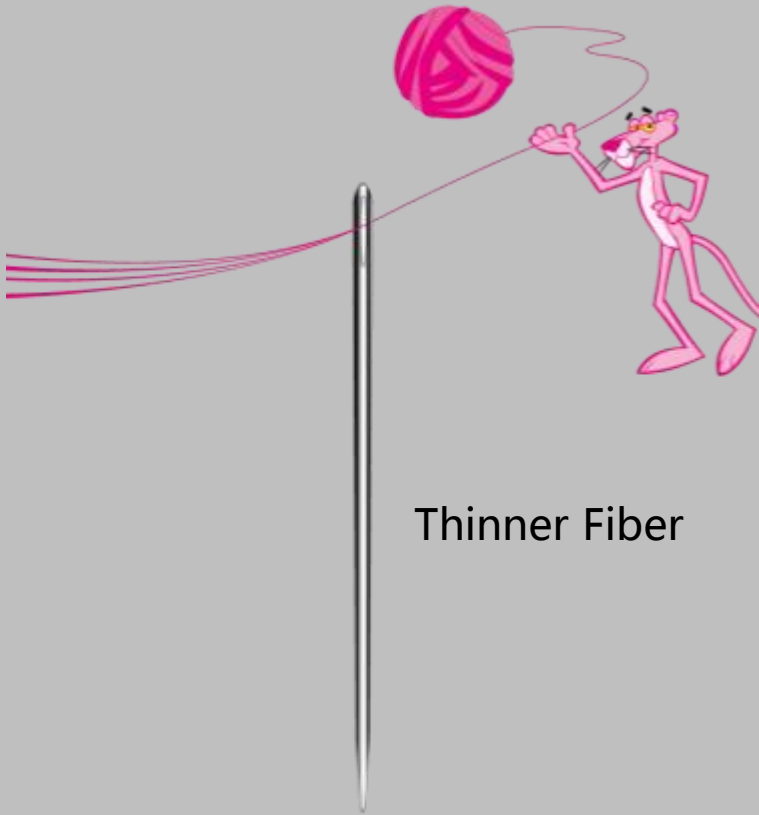
Plant-based Binder



## Benefits :

- Formaldehyde-free; No VOC
- Free from fossil raw material, non-toxic and non-volatile
- Good for health and environment

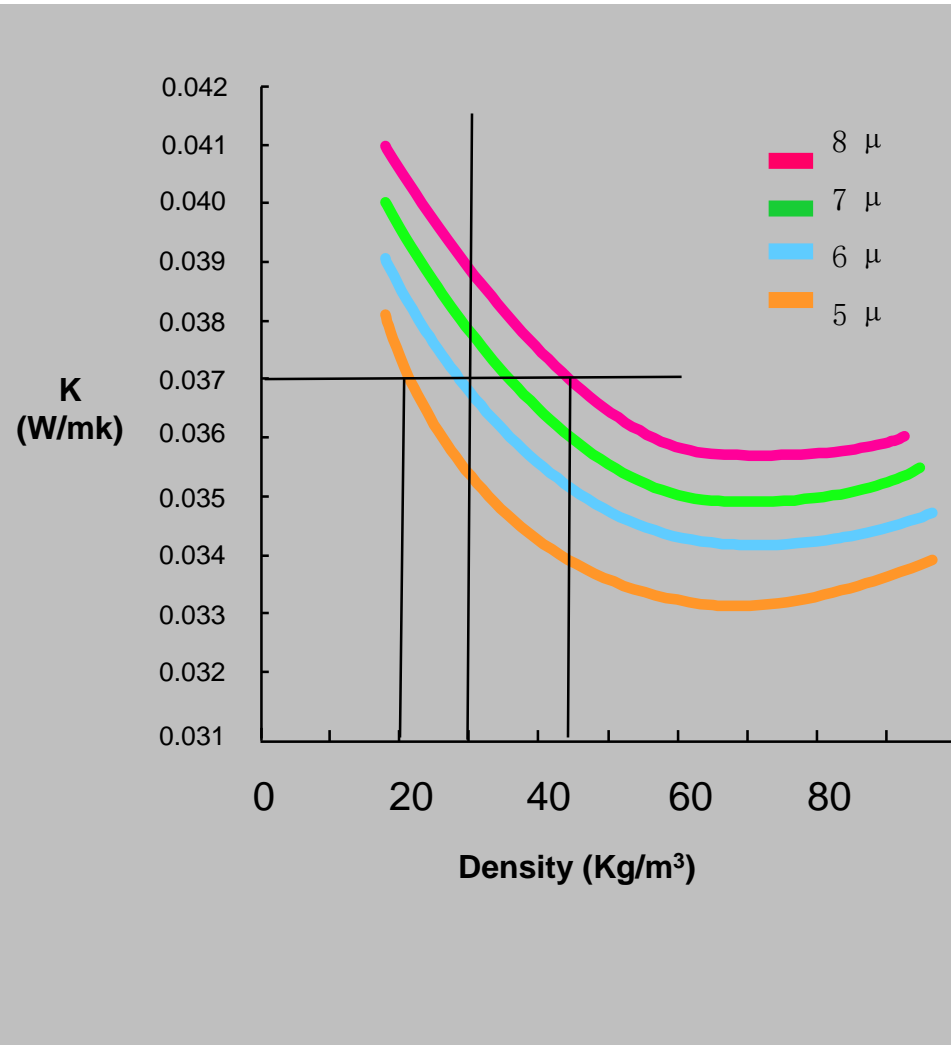
# Features & Benefits: Thinner Fiber



## Benefits :

- Significant reduction in irritation
- Reduction in thermal conductivity value (K), better 'R'
- Strong structure; High performance of tensile

# Features & Benefits: Thermal & Acoustic Performance



## Benefits :

- The thinner the fiber, the lower thermal conductivity
- The thinner the fiber, the better acoustic performance



# Features & Benefits: Soft & Comfort



Soft & Comfort



## Benefits :

- Feel softer and more comfortable, avoiding itching and irritation
- Greatly improve installation comfort and efficiency



# Features & Benefits: High Hydrophobicity



## Benefits :

- High hydrophobicity of over 98%
- Resist water penetration for long time
- Reduce the moisture impact on its thermal insulation property

# Features & Benefits: Special Facing



| Property                 | ASTM Test | Normal Facing        | Special Facing       |                       |                      |                      |
|--------------------------|-----------|----------------------|----------------------|-----------------------|----------------------|----------------------|
|                          |           |                      | FG                   | SA                    | FE                   | VR                   |
| WVTR (ng / N.s)          | E96       | 5.75                 | 1.15                 | 1.15                  | 5.17                 | 1.15                 |
| Tensile Strength (kN/m)  | C1136     | 4.4 (MD)<br>2.0 (XD) | 7.0 (MD)<br>4.4 (XD) | 10.6 (MD)<br>7.0 (XD) | 7.0 (MD)<br>5.3 (XD) | 9.6 (MD)<br>7.0 (XD) |
| Flame Spread (Foil Side) | E84       | -                    | 5                    | 10                    | 10                   | 5                    |
|                          | BS476     |                      | class 0              | class 0               | class 0              | class 0              |

**Special Facings provide :**

High strength | Low permeability | Good fire resistance

# Contribution to Green Building



- Healthy, Safe, Green material
- Formaldehyde-free
- Consistent life-cycle performance
- Environmental and Sustainable



- GREENGUARD certificate; low volatile and emissions
- Safe to use in school, hospital and etc.
- Gain points for Green Building certification



## HVAC

- Non itching
- Fast installation
- Fire Safety
- Long life
- Pre-insulated system available

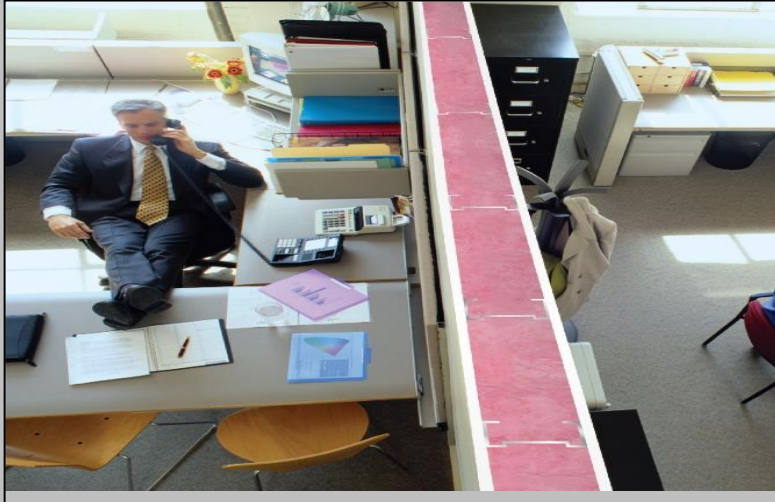






## Roof-Underdeck

- Fire safe
- No sagging
- No tearing during installation
- Combines noise insulation



## Partition Wall

- Reduces noise transmission.
- Absorbs sound vibration within the wall cavity.
- Lightweight, soft and easy to handle
- Uses : offices, hotels, meetings rooms, laundry rooms





# Thank You

[thinkpink-india@owenscorning.com](mailto:thinkpink-india@owenscorning.com)

022-6668 1789 / 00

099302 87779





# About Owens Corning



# Applications



## HVAC



## Roof-Underdeck

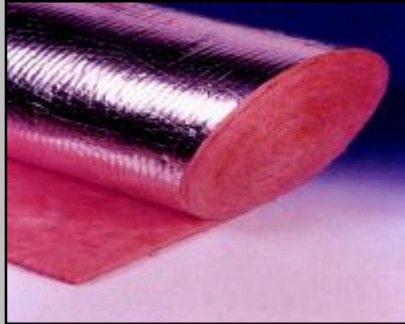


## Pipe



# Various Products

**Duct Wrap**



**Duct Board**



**Duct Liner**



**Pipe**



**Pipe Wrap**



**Duct System**

