

# The Only Eco-Insulation for High-Performance Daylighting

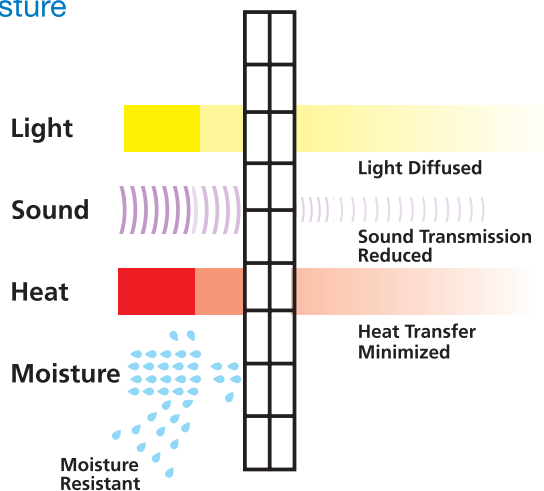
## How Nanogel Works

<b>Surface Chemistry;</b>	<b>Fully Hydrophobic</b>
<b>Light Transmission: :</b>	<b>75% per cm</b>
<b>Porosity:</b>	<b>≥ 95%</b>
<b>Thermal Conductivity:</b>	<b>R-value of 8/inch</b>
<b>UV stable:</b>	<b>&gt; 20 years</b>

**No performance degradation over time**  
**Non-combustible with no smoke generation**

### Nanogel Features:

- Limits heat transfer
- Absorbs sound
- Transmits light
- Resists moisture



- Nanogel has a very small pore size of approx. 20nm.
- It is 5% solid and repels water.

### Thermal Insulation

Nanogel aerogel's porous structure significantly reduces the conduction and convection of heat, making it an excellent thermal insulator.

### Light Transmission

Light is diffused through Nanogel aerogel's translucent, porous structure, allowing an even dispersion of light.

### Acoustic Insulation

Nanogel aerogel's porous structure slows down the speed of sound, reducing sound transmission.

### Permanence

Nanogel aerogel's surface treatment prevents color change, resists mold and mildew, and will have no performance degradation

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