



# Classic Plus Spray Foam Insulation for Residential Builders

## Innovation at its best!

Icynene Classic Plus™ is a high-performance and high R-value spray foam insulation innovation from the industry leader, Icynene. Icynene Classic Plus™ that lets you achieve R22 in a typical 2x6 wall assembly with an incredibly high R-value of R4 per inch. Ideal for Canadian climates, you can go higher with the best open-cell spray foam insulation available on the market.

## Performance Benefits

- CCMC Evaluation Report #13684-R
- Stable thermal performance.
- Thermal resistance 0.72 (m<sup>2</sup>·K)/W at 25.4 mm (R-4.1 at 1")
- Superior sound control.
- Vapour permeable, support bi-directional drying of assemblies
- Soft, flexible composition maintains an air seal even after seasonal expansion/contraction of building assembly
- 5% water absorption
- Supports indoor air quality by blocking air infiltration and mass transfer of moisture that may cause mould.

## Characteristics

- Open-cell structure
- 100% water-blown
- Low density 0.7 lb/cu.ft.
- HFC- and PBDE-free
- Soft to touch
- Not a vapour barrier
- Expands ~100 times from liquid state
- Application thickness is not limited
- Low exothermic reaction temperature; will not harm coatings on electrical wiring, plumbing or other building components
- Lower cost compared to closed cell medium density products
- Lowest global warming potential (GWP of 1)
- A low-emitting material (LEM) as per CHPS EQ 2.2 Section 01350 (Collaborative for High Performance Schools)

## Construction Benefits

- Yields of 16,000 to 20,000 board feet
- Broad range of substrates, temperatures and humidity conditions
- Superior cold temperature adhesion to multiple substrates
- Dimensionally stable
- 1 day occupancy
- One formulation (no winter/summer)

## Thermal Barriers

Approved thermal barriers:

Gypsum board  
HiBAR thermal barrier material – 1in. thickness



## LEED Contributions

Icynene Classic Plus™ meets prerequisites and may contribute towards these LEED Canada NC points:

- EAP2: Minimum Energy Performance
- EAC: Optimizing Energy Performance
- IEQP1: Minimum Indoor Air Quality Performance

## Applications

Can be used in many commercial applications:

- Roof (ceiling)
- External wall (on inside of wall)
- Internal wall

And many more applications – contact Icynene to check which Icynene products can be used for your project.

## Limitations of Use

Should not be used:

- Against substrates that may exceed 200°F / 90°C at installation or in the future
- Inside electrical outlets or junction boxes
- Flotation purposes
- Placed above the roofing membrane
- Exterior surfaces, exposed and/or in contact with water

## Fire Summary

Meets CAN/ULC S102 and S127