

NZTAP MANUFACTURER CASE STUDY

MANUFACTURER BACKGROUND

Isolofoam is a Canadian manufacturer that specializes in the construction of innovative and eco-responsible products made of expanded polystyrene (EPS). Renowned for their exceptional quality, their products are used throughout the building envelope, and other applications such as roads and civil engineering, packaging and much more. Their product line is available in Ontario, Quebec, Maritimes and Northeastern United States.

Driven by a need to innovate, Isolofoam has invested in the research and development of expanded polystyrene (EPS) products for more than 40 years. The result is distinctive and high-performing products that meet the highest quality standards in the industry, to help build energy efficient buildings fast and at the best cost.



WHAT IS IT?

ISOCLAD: Rigid air barrier insulation for above grade exterior walls. Patented, with 20 years of testing behind it, the ISOCLAD product is recognized for its exceptional permeability to water vapour and is widely installed in new construction and renovation projects. It is a certified air barrier material and is part of a tested air barrier system.

ISOBRACE OSB: Rigid insulation laminated to a 7/16" OSB panel for above grade exterior walls. In addition to providing high performance and continuous insulation, it helps to increase the structural rigidity of the building.

IFLEXFOAM: Rigid underslab insulation laminated on each side with 4-sided ISOCLICK clipping system that prevents panels from moving during installation. Flexible and highly resistant, iFLEXFOAM is faster to install than a regular panel and means less breakage on the jobsite.

INSTALLATION

Rigid insulation is generally installed by the builders' framer contractors or dry wall contractors. Individual builder training workshops can be provided by ISOLOFOAM. Details and installation guides are available on the ISOLOFOAM website.

STANDARDS & CERTIFICATIONS

All products meets all applicable standards. Certifications and CCMC numbers are available on the website. ISOCLAD is the first air barrier system made of expanded polystyrene that meets the CAN/ULC-S742 – Standard for Air Barrier Assemblies – Specification.

The products are also are certified for low chemical emission: GREENGUARD and GREENGUARD Gold. Wood used in the manufacturing of ISOBACE OSB is FSC- and/or SFI-certified.

BENEFITS AND COSTS

ISOCLAD:

- Continuous insulation envelope
- High-performance air/water barrier system
- Non-vapour barrier: Decreases the risk of mold as it allows potential humidity contained in the walls and evaporate
- Reduce your labour costs: Facilitates insulation installation and sealing of the envelope, 2 steps in 1.

ISOBACE OSB:

- Continuous insulation envelope
- Water vapour permeable: Permeability-tested on the complete laminated product.
- Reduces work time and labour costs: Can eliminate the need to add temporary bracing. Depending on the chosen ISOBACE OSB installation, can provide backing for cladding, according to the cladding manufacturer's recommendations.

IFLEXFOAM:

- Unparalleled performance of the ISOCLICK clipping system: Prevents panel movement and the occurrence of uninsulated gaps.
- Resistant and incomparable flexibility: Laminated membranes give it great strength and flexibility, reducing breakage and product loss on the jobsite.
- Reduce your labour costs: No need to seal joints to maintain panels in place

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