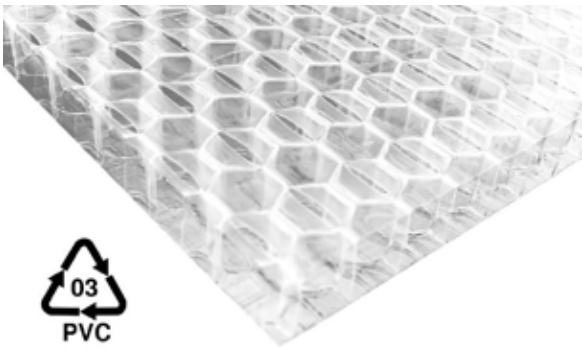


## PVC HONEYCOMB INNOVATION FOR BUILDING APPLICATIONS



PVC remains one of the most widely used materials for building and construction due to its inherent properties, versatility and competitive cost. Applications for exterior and interior wall cladding, flooring, ceiling and roofing have developed over the years using PVC in solid and hollow profiles. Today, by applying its patented ThermHex technology to make PVC honeycomb cores, EconCore is enabling a new generation of building applications that better utilize finite natural resources while delivering on performance and cost.

The need for building materials has existed since the first shelter was made. As for the choice of building materials (ice, mud, wood, stone, straw, etc.), the common thread of availability and performance is woven through the ages and across geography. Today, just as always, availability (including cost) and performance drive material choice and are the reasons why PVC is so widely used for building applications. Relative to other natural and synthetic alternatives, PVC is available at reasonable cost and with its inherent properties, consistently delivers on performance. PVC is light, strong, durable and safe.

Combining the recognized value of PVC as a material with the advantage of honeycomb geometry for core structure, the next wave of innovation in building applications is emerging. Using the fast, easy, efficient EconCore ThermHex process converters are able to make PVC honeycomb cores of various widths and thicknesses, including in-line skin lamination depending on application. The use of honeycomb core structures provides enormous opportunity for weight saving compared to solid forms as well as high bidirectional performance over hollow profiles. Also the presence of the honeycomb structure within the design enables better acoustics and thermal insulation.

**Applications:** Building and construction (including exterior cladding, interior cladding, flooring, ceiling, roofing) residential, commercial, production facilities including clean rooms. EconCore ThermHex technology suitable as well for PVC boards for graphical and display applications.

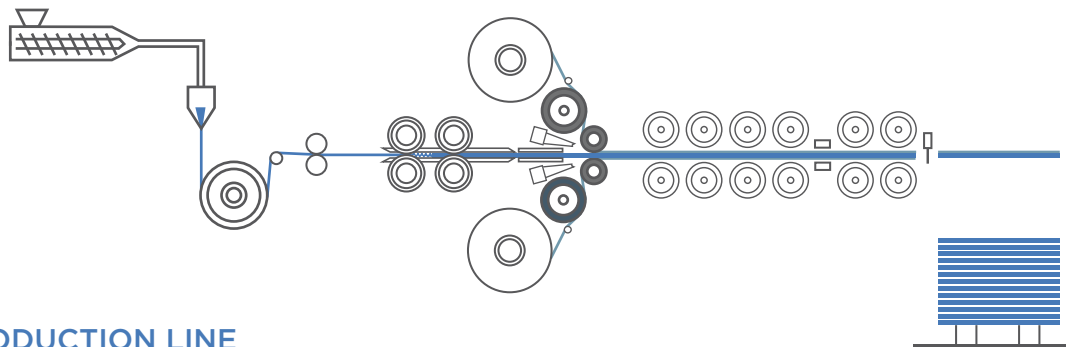
### Key advantages:

- Optimal weight to performance ratio
- Weight and cost saving
- Bidirectional performance enabling larger spans
- Better acoustics
- Better thermal insulation due to honeycomb structure
- Minimal environmental impact



# PVC HONEYCOMB INNOVATION FOR BUILDING APPLICATIONS

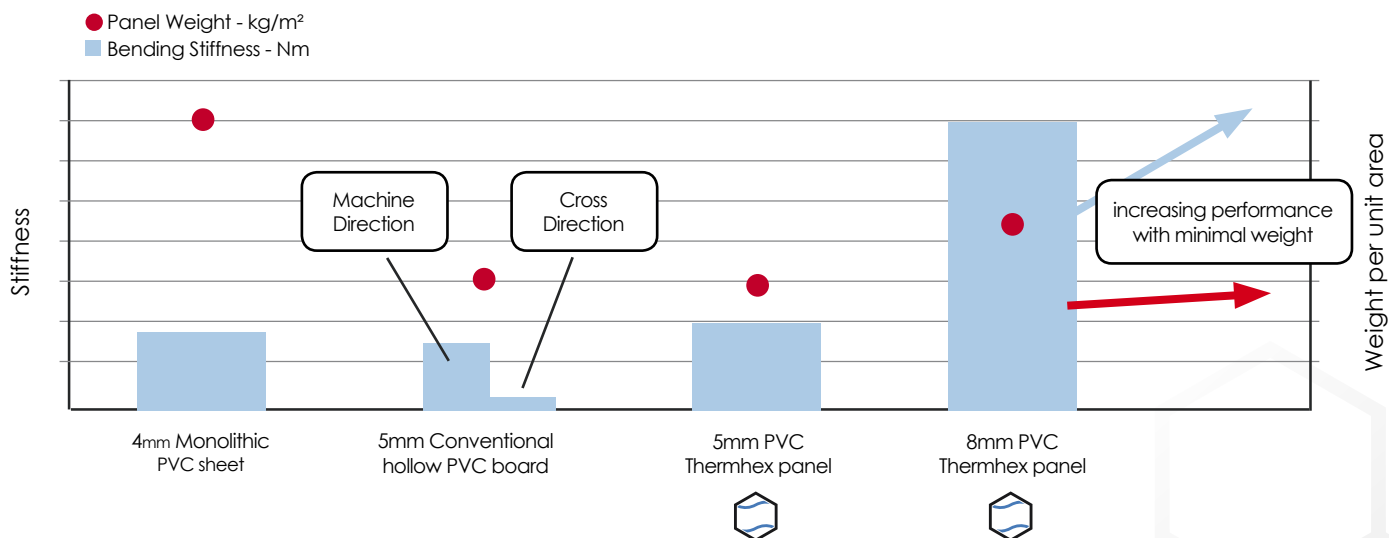
## ThermHex process for PVC honeycomb panels



### PRODUCTION LINE

- Fast, easy, continuous production of PVC honeycomb core
- In-line lamination for sandwich panels
- Enabling minimal weight, cost and environmental impact
- Available for licensing

## EconCore ThermHex PVC honeycomb core: High bidirectional performance with minimal weight



## About EconCore

EconCore provides technology for the continuous production of honeycomb sandwich materials. The fast, versatile, continuous ThermHex process allows users to produce sandwich materials for various applications including automotive, transportation, building and construction, industrial packaging/graphical displays, furniture and many others at minimal cost, weight and environmental impact.