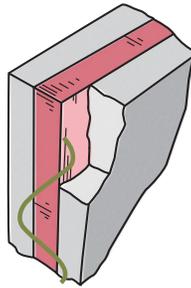




# FOAMULAR® NGX® + NU-TIE STRONG WALLS SMART DESIGN



The THiN-Wall system combines FOAMULAR® NGX® XPS and patented Nu-Tie connectors to deliver unmatched strength, energy efficiency, and long-term performance – all in a design focused on resilience with reduced impact.<sup>1</sup>



## EFFICIENT MATERIAL

Achieve the strength of a solid wall with less concrete. The THiN-Wall system, featuring Nu-Tie connectors and FOAMULAR® NGX® XPS, delivers the same ultimate strength as a 10-inch solid wall, using only 6 inches of concrete.<sup>2</sup> That's efficiency and resilience in one.



## HIGH STRENGTH AND FLEXIBILITY

The patented system has a Nu-Tie shear connector and is engineered for strength and flexibility. It resists wind and structural loads without creating thermal shorts, eliminating thermal bowing and protecting interior comfort.<sup>3</sup>



## LASTING PERFORMANCE

Edge-to-edge insulation means your building envelope maintains its R-value for years. Unlike other insulations that lose performance over time, FOAMULAR® NGX® XPS is a closed-cell moisture barrier, keeping energy bills low and comfort high.<sup>4</sup>



## LICENSED PRECASTERS

Over 40 precasters are licensed to use the THiN-Wall system, trusted by industry leaders for robust, error-free installation and reliable performance.



See how NGX® + Nu-Tie delivers strong and smart precast solutions at [owenscorning.com/thin-wall](https://owenscorning.com/thin-wall)



Learn more about FOAMULAR® NGX® XPS at [owenscorning.com/foamular-ngx](https://owenscorning.com/foamular-ngx)

## PROOF POINTS

- Composite action between concrete wythes delivers superior structural performance.<sup>1</sup>
- Nu-Tie connectors are nearly twice as strong as conventional Grade 60 ksi rebar.<sup>1</sup>
- FOAMULAR® NGX® XPS provides continuous insulation with no thermal bridging.
- Panels use less concrete compared to traditional designs.
- Low modulus connectors minimize thermal bowing for long-term durability.<sup>1</sup>

## APPLICATIONS

- Commercial Buildings
- Residential Projects
- Architectural Facades
- Industrial Facilities

- 1 Based on engineering analysis and third-party design calculations showing performance advantages over comparable systems.
- 2 Based on structural engineering calculations and design examples included in technical paper "Comparison of Connector Types" showing that when composite reaches 100%, the system achieves strength equivalent to a 10" solid concrete wall.
- 3 Comparison based on engineering calculations and structural design examples provided in "Comparison of Connector Types," using Owens Corning performance data (beam spring constants) applied to applicable consensus design standards, including ACI 440 and PCI 150. Results reflect engineering analysis rather than product-only performance.
- 4 Based on University of Alaska Fairbanks in-service study showing EPS absorbs up to 5x more moisture than XPS and experiences significant long-term R-value loss, while XPS maintains performance.