

## **STRUCTURAL WALL INSULATION**

RESIDENTIAL | MULTI-FAMILY | LIGHT COMMERCIAL



ThermalStar Structural Wall Insulation (SWI)

Continuous insulation is a vital component of a building's envelope. For building designers requiring the highest quality rigid insulation, ThermalStar<sup>®</sup> Rigid Insulation provides unmatched quality, with a combined stable long term R-value and structural shear capacity that will last the lifetime of your structure. Manufactured under an industry leading quality control program monitored by UL, ThermalStar Rigid Insulation meets or exceeds ASTM C578 standards, providing an HFC free rigid insulation with a low Global Warming Potential (GWP).



# STRUCTURAL WALL INSULATION COMPONENTS

ThermalStar SWI is a 4-in-1 product, combining structural sheathing, continuous insulation, water resistive barrier, and air barrier components, providing significant savings on time and labor.

Depending on your design criteria, ThermalStar SWI can be installed with the rigid insulation layer facing outward (“foam-out”), or with the rigid insulation layer facing inwards towards the wall cavity (“foam-in”).

See *Structural Wall Insulation Installation Guide* for complete installation instructions.



## PHYSICAL PROPERTIES

See *Structural Wall Insulation Tech Data Sheet* for a full listing of the physical properties.

PRODUCT NAME	THICKNESS	R-VALUE @75°F
ThermalStar SWI R3	3/4"	3.2
ThermalStar SWI R5	1-1/8"	5.0

## BENEFITS

- ThermalStar Structural Wall Insulation (SWI) is continuous structural insulated sheathing, meeting IRC and IBC requirements for lateral loads and thermal performance when installed per DrJ TER 1905-02.
- ThermalStar SWI has an integrated film facer which serves as a code compliant water resistive barrier (WRB) when properly flashed and taped.
- The thermal properties of ThermalStar SWI do not degrade over time, allowing the R-value to remain stable over the life of the structure.
- The combination of structural sheathing, continuous insulation, air barrier, and water resistive barrier components creates a 4-in-1 product, saving on time and labor.
- ThermalStar SWI is available as 4'x8', 4'x9', and 4'x10' sheets.

## APPLICATIONS

- Residential
- Multi-family
- Light commercial

FOR MORE INFORMATION AND PRODUCTS VISIT [ATLASMOLDEDPRODUCTS.COM](https://atlasroofing.com)

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