

INSULWALL

R-Tech Insulated Tilt-Up Wall

High Performance. Lower Cost. Most R-Value Per Dollar.

R-Tech[®] for Insulated Tilt-up (IT) applications is a high-performance, rigid insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS) with advanced polymeric laminate facers. R-Tech IT is available with factory laminated MR (metallic-reflective) facer on one exterior side, and a white protective facer on the other exterior side.

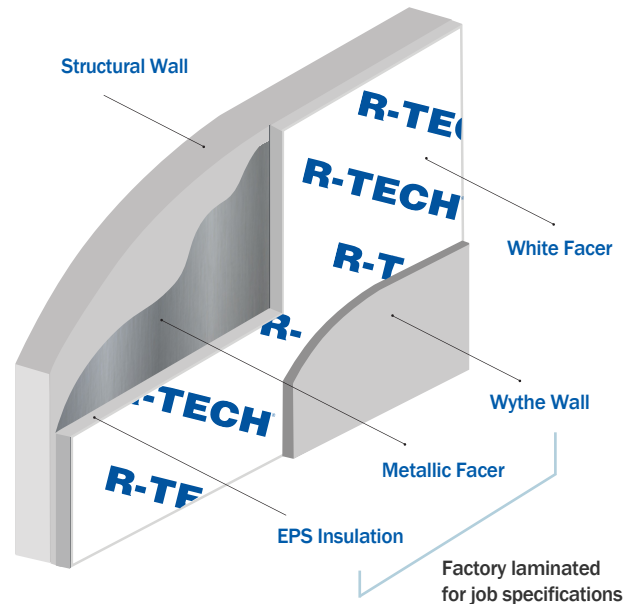
The R-Tech facers act as the slip sheet to minimize bonding between the foam, Facia Wythe and Structural Wythe wall. The core of R-Tech is the same high-quality as our InsulFoam[®] brand insulations and meets or exceeds the requirements of ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. R-Tech has excellent dimensional stability, compressive strength and water-resistant properties.

Uses

R-Tech insulated Tilt-up (IT) is designed for both commercial and residential tilt-up wall applications.

Sizes

R-Tech IT is available in 4' x 8' sheets with thicknesses ranging from 0.5" to 4.5". R-Tech IT can also incorporate the InsulSnap feature which allows the end user to cleanly break the 4' x 8' sheets into a desired width. Custom sizes are available upon request (lengths up to 16').



Advantages

- **User Friendly.** R-Tech IT can be ordered with the InsulSnap[™] feature which scores the product longitudinally at any pre-ordered interval (commonly 16" or 24" o.c.) to accommodate different locations for the ties. The InsulSnap feature minimizes labor by enabling the installer to cleanly break the product at the desired width while also minimizing product breakage and waste.
- **Jobsite Durability.** With a polymeric facer on either side of the R-Tech IT, it is an extremely flexible and durable insulation.
- **Water-Resistant.** R-Tech IT facers provide a surface that is virtually impervious to moisture.
- **Stable R-Value.** R-Tech has no thermal drift. Designers are well served knowing the R-Tech IT thermal properties will remain stable over its entire service life. R-Tech is eligible for an InsulFoam 20-Year Thermal Performance Warranty – a warranty that's not prorated or limited to a percentage of the published R-Value.
- **Cost-Effective.** R-Tech is typically less expensive than other cavity wall insulations.
- **Environmentally Friendly.** R-Tech may contain up to 30% recycled material and the foam core is 100% recyclable.



Key product Comparisons

PROPERTY	R-TECH IV	XPS TYPE IV	TEST METHOD
Density (min. pcf)	1.80	1.55	ASTM C303
Compressive Strength (psi, 10% deformation)	25	25	ASTM D1621
Flexural Strength (psi)	50	50	ASTM C203
Water Absorption (Max. % vol.)	0.3	0.3	ASTM C272
Water Vapor Transmission (Max. Perm.)	<1.1	1.1	ASTM E96
Dimensional Stability pcf (max. %)	2.0	2.0	ASTM D2126
Flame Spread	<75	<75	2.0
Smoke Developed	<450	<450	ASTM E84

INSULFOAM®

A CARULISLE COMPANY

INSULATION ENGINEERED TO MAKE A DIFFERENCE

INSULWALL

A Truly Green, High-Performance, & Economical Wall Insulation

Cost-Effective

- More R-Value per dollar than any other rigid insulation product
- R-Value doesn't degrade over time
- Most cost-effective insulation - typically 25-40% less than other rigid insulations
- Easy to install - reduces install labor costs by more than 50%
- Code recognized insulation (ICC-ES, UL) at an economical price
- Complimentary 20-year thermal performance warranty available

Engineered for Versatility

- Available in 0.5" - 4.5" product thicknesses
- The right product for any job. Available in multiple densities, compressive strengths and panels sizes
- Meet or exceed ASTM C578 requirements

User-Friendly

- Lightweight panels - easy to install
- Highly durable, yet resilient
- Simple to cut in the field with a saw or hot wire kit
- Custom, job-specific sizes with no additional lead time

Environmentally Sustainable

- 100% Recyclable, may contain up to 20% recycled content
- High long-term thermal performance (stable R-Value) conserves energy and operational costs
- Contains no dyes, formaldehyde or ozone-depleting HCFCs
- Contributes toward LEED energy efficiency points
- Does not support mold or mildew growth for improved indoor air quality (IAQ)
- Naturally water resistant - does not readily absorb moisture from the environment
- Regional manufacturing throughout North America reduces transportation costs to jobsites, and environmental impact

Proven Performance:
The industry's leader in EPS rigid insulation,
More than 50 years of manufacturing expertise.

R-Value Comparisons

R-VALUE	R-TECH IV	XPS TYPE IV	TEST METHOD
Warranted R-Values @ 20 years	4.8/inch 4.4/inch	Not Warranted Not Warranted	ASTM C518 @40° F @75° F
Warranted R-Values @ 15 years	4.8/inch 4.4/inch	4.9/inch 4.5/inch	ASTM C518 @40° F @75° F
Published R-Value (Thermal Resistance)	4.8/inch 4.4/inch	5.4/inch 5.0/inch	ASTM C518 @40° F @75° F

Product Feature Summary

Feature	R-TECH IV	XPS TYPE IV
Stable R-Value	Yes	No
Available With Metallic Reflective Films	Yes	No
Available in a wide range of sizes and thicknesses	Yes	No



Manufacturing in: Alaska - Arizona - California
Colorado - Florida - Nebraska - Utah - Washington

Tel 800-248-5995 www.insulfoam.com