

EIFS INSULATION

EXTERIOR INSULATION & FINISH SYSTEMS

Insulation is a vital component of a building's envelope. For building designers requiring the highest quality rigid insulation, ThermalStar® EIFS provides unmatched quality, with a stable long term R-value that will last the lifetime of your structure.

Manufactured under an industry leading quality control program monitored by UL and ICC-ES, ThermalStar EIFS meets or exceeds ASTM C578 standards, providing an HFC free, recyclable rigid insulation with a low Global Warming Potential (GWP).

PHYSICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	EIFS INSULATION
Compressive Strength (psi) at 10% Deformation ¹	D1621	10
ASTM Classification	C578	Type I
R-value per inch at 75°F Mean Temperature	C518	3.9
R-value per inch at 40°F Mean Temperature	C518	4.2
R-value per inch at 25°F Mean Temperature	C518	4.4
Flexural Strength (psi)	C203	25
Water Absorption (% by volume) 24 Hour Immersion	C272	3.0
24 Hour Immersion & 24 Hours @ 50% RH		0.3
Water Vapor Permeance at 1" Thick (perms)	E96	5.0
Surface Burning - Flame Spread	E84	<25
Surface Burning - Smoke Developed	E84	<450
Maximum Use Temperature	-	Short Term (10-15 minutes) 180°F, Long Term 165°F

¹ ThermalStar EIFS is elastic up to 1% deformation. A safety factor of 3 is recommended for long term loads to minimize long term deflection.

CODE COMPLIANCE

ThermalStar EIFS complies with the model building codes when properly installed, as found in the following code reports and classification listings. Additionally, ThermalStar EIFS is specifically recognized by EIFS system suppliers, including STO, Dryvit, Parex, and Senergy.

- ASTM C578 – Type I
- ASTM E2430
- Physical Properties – UL QORW.R16529
- Surface Burning – UL BRYX.R16529
- CAN/ULC-S102.2, S701 – ULC BOZCC.R16529
- International Energy Conservation Code (IECC) – ICC-ES ESR-1962, UL ER16529-01
- International Residential Code (IRC) – ICC-ES ESR-1962, UL ER16529-01
- International Building Code (IBC) – ICC-ES ESR-1962, UL ER16529-01
- California Certified Insulation Material - License T 1472

WARRANTY

ThermalStar EIFS is backed by a limited lifetime warranty for physical and thermal performance. See separate ThermalStar warranty for terms and conditions.

STANDARD PRODUCT OFFERINGS

COMPRESSIVE STRENGTH	10 psi
SIZE	2'x4' square edge sheets
THICKNESS	1/2" - 4", as specified by customer
SPECIAL FEATURES	Integrated back side drainage channels available as an option
CUSTOM SHAPES	Custom shapes to resemble exterior architectural details are available upon request

FOR ADDITIONAL RESOURCES, VISIT THE WALL INSULATION SECTION OF OUR WEBSITE [ATLASMOLDEDPRODUCTS.COM](https://www.atlasmoldedproducts.com)

**GREATER COVERAGE
GREATER AVAILABILITY**



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