



THERMAFIBER® CI-C SC18 MINERAL WOOL INSULATION

Features

- Exceptional sound and noise absorption
- Noncombustible, nondeteriorating, and inorganic
- Helps conserve energy, reduce greenhouse gas emissions
- Fire-resistant to temperatures above 2,000°F (1,093°C)
- Enhances acoustical performance
- Minimum 70% recycled content¹
- Contributes to credits in several green building programs, such as LEED® and Green Globes®

Standards, Codes Compliance

- ASTM C612, Types IA, IB, II, III, IVA

Physical Properties

PROPERTY	TEST METHOD	VALUE
Surface Burning Characteristics	ASTM E84	Flame Spread 0, Smoke Developed 0
Combustibility	ASTM E136	Non-Combustible
Linear Shrinkage	ASTM C356	<1% @ 1,200°F
Compressive Strength	ASTM C165	648 lbs/ft ² @ 10% compression
Water Vapor Permeance	ASTM E96	110 perm
Water Vapor Sorption	ASTM C1104	<0.5%
Fungi-Resistance	ASTM C1338	Fungi Resistant
Corrosion of Steel, Aluminum, and Copper	ASTM C665	Noncorrosive to Steel, Copper, and Aluminum
Stress Corrosion – Austenitic Stainless Steel	ASTM C795	Complies

Technical Data

ACTUAL DENSITY	TESTED TO ASTM C518		TESTED TO ASTM E84 UNFACED	
	"k" @ 75° [24°C] BTU.in/hr .sq. ft. °F	"R" VALUE PER INCH OF THICKNESS ²	FLAME SPREAD	SMOKE DEVELOPED
7.0 pcf	0.25	4.0	0	0

² R = thickness divided by "k."

Acoustical Performance

THICKNESS	COEFFICIENTS AT FREQUENCIES PER ASTM C423						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2"	0.25	1.01	1.05	1.06	1.03	1.07	1.05

Availability

PRODUCT	AVAILABLE THICKNESS	STANDARD DIMENSIONS ^{3,4}
CI-C SC18	2", 3", 4"	24" x 48"
Tolerances	+1/8", -1/16"	Width: ±1/8", Length: ±1/4"

³ Contact your local sales representative for more details.

⁴ Custom sizes are available upon request.

Installation

See StoTherm® ci Mineral Wool Installation Guide for more information.

Product Options

- Recycled Content Options^{1,5}:
 - Standard Fiber70%

⁵ Recycled content options other than standard must be specified at time of order.

Thermafiber Insolutions®

Thermafiber Insolutions® offers industry leading technical and engineering assistance to architects, specifiers, and contractors. These services include CAD drawings, engineering judgments, LEED® Credit Information, and product recommendations. Contact our technical services department at 1-888-834-2371 or email ThermafiberInsolutions@owenscorning.com.

Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation, and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets, and enhancing lives. More information can be found at www.owenscorning.com.

Certifications and Sustainable Features

- ¹Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at icc-es.org.
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information, visit ul.com/epd.
- Material Health Certificate from Cradle to Cradle Products Innovation Institute. For more information, visit c2ccertified.org.



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Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

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