

OPTIMA[®]

The **Optimal Solution**
for MidFloor Applications



CertainTeed
SAINT-GOBAIN



OPTIMA® MidFloor

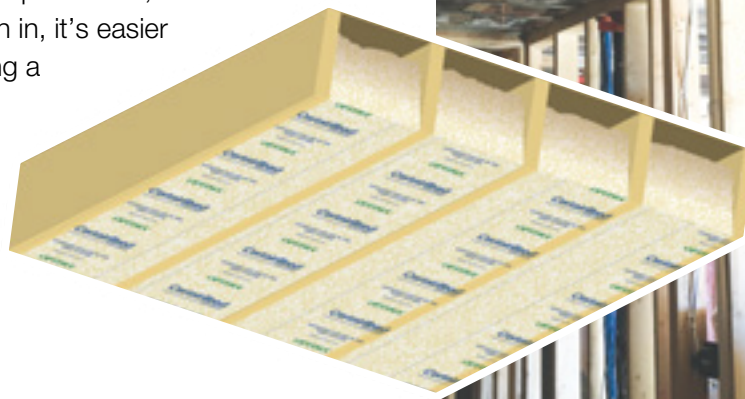
Fire Protection – Acoustic Performance – Easier Install

OPTIMA®

Premium Blow-in Insulation System


Installing OPTIMA in midfloor applications provides high-quality fire protection and sound blocking in one easy-to-install solution. This noncombustible insulation **meets NFPA 13 standard requirements**, allowing it to be used in interstitial/midfloor spaces in conjunction with sprinklers or to replace sprinklers in residential, multi-family, commercial and hotel buildings five stories or less.

While batt insulation can also meet the requirements, OPTIMA is the smarter choice. Because it's blown in, it's easier to install, which saves labor while creating a continuous blanket that helps maintain consistent temperatures and block sound between units.





OPTIMA: Fire Protection

OPTIMA is a naturally noncombustible, premium fiber glass blowing insulation specifically designed for faster installs. Its versatility allows it to fit any size cavity, around any infrastructure, with less labor required than batts – making it the ideal substitute for sprinklers. 

OPTIMA can also be installed in conjunction with sprinklers, providing an additional level of fire protection – and peace of mind – for projects like schools and residential buildings.

Quicker, Easier, Less Expensive

- Meets NFPA 13 standard for **sprinkler substitution**
- **Installs quickly and easily** compared to sprinklers
- **Increases aesthetic appeal** – no sprinklers poking out of the ceiling, no fear of leaks
- **Costs 25% less to install** than sprinklers, with no annual maintenance costs
- Provides **“extra mile” fire protection** when used in addition to sprinklers

Read more about fire protection applications for OPTIMA and other CertainTeed products in our **Fire Performance Solutions Brochure** (30-28-163).

NFPA 13 Standard

Section 8.15.1.2.7:

Concealed spaces filled with noncombustible insulation shall not require sprinkler protection.



SPRINKLER COST COMPARISON

System	Installed cost/sq. ft.	Typical cost/2000 sq. ft.	Annual Maintenance Cost
Sprinklers	\$1.61*	\$3220	~ \$2000**
OPTIMA	\$1.21	\$2420	None

Cost savings = 25%

* Fire Protection Research Foundation, 2009 Fire Sprinkler Cost Assessment

** Based on average annual inspection cost data

OPTIMA: Superior Acoustical Performance

OPTIMA maximizes acoustical benefits by filling all voids completely. Batts tend to leave gaps where sounds can transmit.



And compared to no insulation in the midfloor, OPTIMA makes a night and day difference. It improves the STC rating by 14 points – meaning it cuts the apparent volume of airborne sounds in half.

ACOUSTICAL PERFORMANCE RATINGS

Wood Joist Floor Systems	Impact Insulation Class (IIC)	Sound Transmission Control (STC)
Resilient channel w/out insulation	37	43
Resilient channel w/OPTIMA	49	57
OPTIMA improvement	+12 points	+14 points

HOW STC CHANGES AFFECT APPARENT LOUDNESS



“I have tried many midfloor products and saw huge time and product savings with OPTIMA. I consider it my ‘secret weapon’ for midfloor.”

~Eddie Hays, Insulation Contractor



OPTIMA: Simple and Easy

OPTIMA provides complete, uniform coverage in even the most complex midfloor areas. Installing OPTIMA is faster and significantly less labor intensive – which translates into labor and cost savings.

- No need to double up on batt layers
- Single sku vs. multiple batt skus
- Fills all voids quickly and completely, unlike batts
- No need to cut around ductwork, wiring, plumbing or irregular framing
 - Saves labor and eliminates wasted fiber glass scraps
- Provides complete, uniform coverage, even in complex areas
- Great for retrofits



Common obstructions in midfloor areas

OPTIMA MidFloor Application Coverage Chart (Bag Weight: 31 lbs)

Minimum Installed Thickness	R-Value	Minimum Packages Per Area	Maximum Coverage Per Package	Minimum Weight Per Unit Area	Design Density
in.	(hr•ft ² •°f)/Btu	#/1,000 sq. ft.	net sq. ft.	lbs./sq. ft.	lbs./ft ³
12	42	25.8	38.8	0.80	0.8
14	49	30.1	33.2	0.93	0.8
18	63	38.7	25.8	1.20	0.8
24	85	51.6	19.4	1.60	0.8

R-Values are determined in accordance with ASTM C687. Complies with ASTM C764 as Type 1 insulation. “R” means resistance to heat flow. The higher the R-Value, the greater the insulating power. To get the marked R-Value, it is essential that the insulation is installed properly following the recommendations of CertainTeed Corporation.

CertainTeed

SAINT-GOBAIN

Insulation

Create a More Comfortable Home

At CertainTeed, we believe in a higher level of comfort. We believe in Complete Comfort, where your insulation system successfully controls thermal performance, air tightness, moisture management, and acoustics. That's why we offer the most complete line of insulation products that work together to ensure every building achieves Complete Comfort.



Fiber Glass | Spray Foam | Mold Prevention
Mechanical & Industrial | Equipment

learn more at: certainteed.com/insulation



CertainTeed Corporation

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