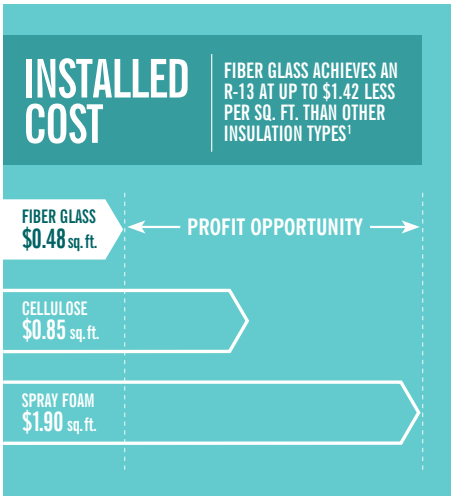
5 WAYS | FIBER GLASS & MINERAL WOOL ARE BETTER FOR BUSINESS

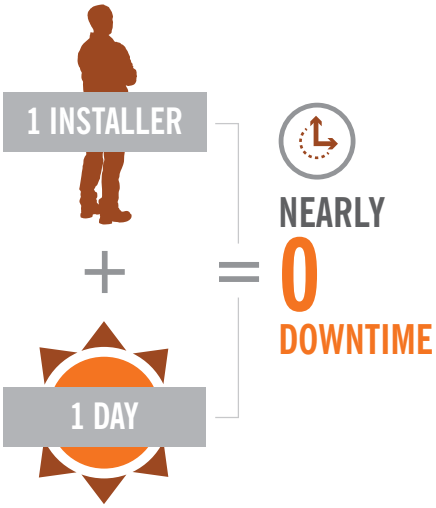
1

They deliver equal performance for less cost.

Fiber glass and mineral wool offer great value for any performance level, providing the same R-Values for a considerably lower installed cost.[1]

SAME R-VALUES,
LOWER INSTALLED COST





2

They help shorten your build cycle.

Fiber glass and mineral wool dramatically reduce installation time, for tremendous labor savings. A 3,500 square-foot home can be completely insulated in a day by one trained installer using fiber glass or mineral wool (rock and slag wool) batts. And unlike spray polyurethane foam and cellulose, which can take up to 72 hours to cure and dry before drywall installation can begin, they require almost no downtime or jobsite evacuation.[2]

3

They require no special equipment.

Fiber glass and mineral wool insulation do not require the hassle or cost of specialized installation equipment or personal protective gear – unlike spray foam, which requires extensive skin and respiratory protection and a complex equipment rig that can cost tens of thousands of dollars.[3]

INSTALLATION AND SAFETY EQUIPMENT

FIBER GLASS AND MINERAL WOOL

- ✔ Cutting Tool
- ✔ Staple Hammer
- ✔ Gloves
- ✔ Eyewear

SPRAY FOAM[4]

- ✔ Gloves
- ✔ Coveralls
- ✔ Hood Respirator and Air Supply System
- ✔ Transfer Pumps
- ✔ Proportioning Machines
- ✔ Heated Hoses
- ✔ Spray Gun
- ✔ Power Source (often a generator)

They offer ultimate versatility with a product for every project.

From starter home to custom home, fiber glass and mineral wool offer the broadest selections of products and performance levels – with consistently higher R-Values that exceed many new energy code and green building program requirements. No matter what kind of structure, application or climate region, you have ultimate flexibility to meet your building challenges.

They're proven safe through decades of testing.

As one of the most thoroughly tested insulation products on the market, fiber glass and mineral wool is proven safe to use when recommended work practices are followed. Compare that to many other insulation types that have limited or no known health and safety testing.

FIBER GLASS IS PROVEN SAFE TO USE

Debunking the Air Sealing Myth

A study by the Building Science Corporation proves yet again that **sealed walls of the same R-Value perform equally well regardless of the insulation type**. It demonstrated that standard air sealing practices were essential for the performance of all insulation types, including spray foam.[5]

R-Value Range

INSULATION TYPE	WALLS	INTERIOR WALLS	FLOORS	BASEMENT/CRAWL SPACES	ATTICS	2x4	2x6
FIBER GLASS BATT [6]	✔	✔	✔	✔	✔	R-13 to R-15	R-19 to R-23
FIBER GLASS BLOW-IN	✔		✔	✔	✔	R-13 to R-16	R-20 to R-25
MINERAL WOOL BATT [7]	✔	✔	✔	✔	✔	R-13 to R-15	R-22 to R-23
MINERAL WOOL BLOW-IN	✔		✔	✔	✔	R-14.5	R-23
CELLULOSE *[8]	✔			✔		R-12 to R-13	R-19 to R-20
SPRAY FOAM OPEN CELL**[9]	✔			✔		R-12 to R-13	R-19 to R-20
SPRAY FOAM CLOSED CELL**[9]	✔			✔		R-19 to R-22	R-32 to R-35

* *Cellulose R-Values can be overstated due to potential settling over time.*

** *Spray foam R-Values assume full cavity installations, but full cavity installations with spray foam are difficult to achieve.*

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NAIMA
North American Insulation Manufacturers Association

1 Cost per sq. ft. installed at 3.5" thickness based on NAHB report "Air Infiltration of Wood Frame Walls," NAHB Research Center, p. 10. May 2009
2 Sarfraz A. Siddiqui, A Handbook on Cellulose Insulation (Malabar, Florida: Robert E. Krieger, 1989), p. 34
3 http://sprayfoamsys.com/store/
4 "Spray Foam Equipment Guide," http://www.sprayfoam.com/spps/ahpg.cfm?spgid=9
5 "Thermal Metric Summary Performance Report," Building Science Corporation, September 2013
6 Thermal performance ranges for fiber glass batt insulation in 2"x4" and 2"x6" walls found in manufacturers' data and submittal sheets (2008, 2009)
7 Thermal performance ranges for rock wool and slag wool insulation in 2"x4" and 2"x6" walls found in manufacturers' data and submittal sheets. (2008, 2009)
8 Thermal performance ranges for cellulose blown-in insulation. www.southface.org/web/resources&services/publications/factsheets/12insulation.pdf
9 Thermal performance ranges for open and closed cell foam spray-in insulation for 2"x4" and 2"x6" walls found in manufacturers' data and submittal sheets (2009). In addition, calculations made by taking the R-Value per inch value that is contained in the ASHRAE Handbook of Fundamentals, page 25.6 - 2005 edition. R-Value table from www.coloradoenergy.org/procorner/stuff/r-values.htm

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