



ROCKWOOL AFB®

ROCKWOOL AFB® is a stone wool batt insulation for interior partitions in commercial construction. Available in both steel stud and wood stud dimensions, AFB provides an array of product benefits that will strengthen the performance of your project.

See why stone wool is the best mix of fire resistance, sound absorption and durability available.



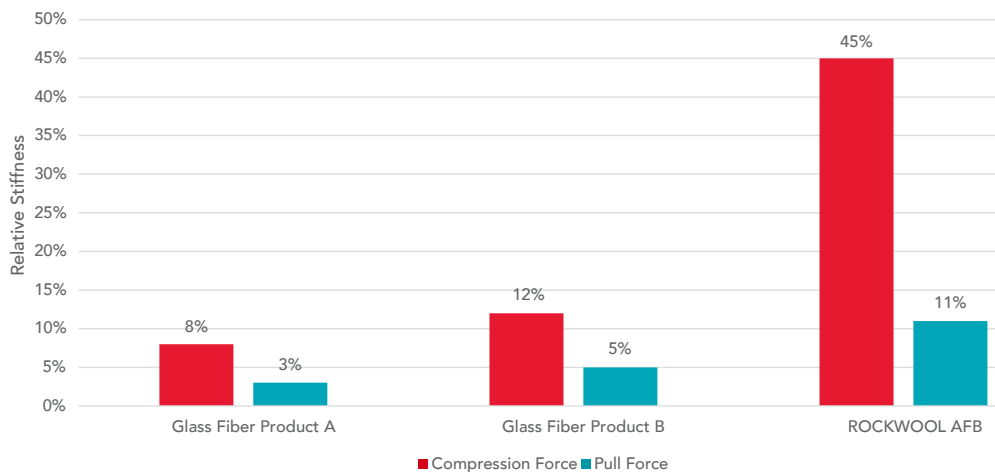
USA

Features and Benefits

Durability

- ROCKWOOL AFB demonstrated a higher compression force and pull out resistance when compared to fiberglass products in the same wall cavity. This creates a tighter fit between studs for a complete fill of the cavity, improving the performance of the wall assembly¹
- AFB provides the optimal balance of rigidity and flexibility when installing between studs, helping to make installations fast and efficient on the jobsite²
- DIY/Small contractors agreed that ROCKWOOL batts fit better and the installation looked aesthetically superior in the wall cavity when compared to fiberglass batts due to minimal voids in the cavity, giving them greater confidence in the performance of the assembly, and that the installation would pass the first inspection²

Light Density Batt Friction Fit test Results



Features and Benefits

Acoustics

- When comparing similar wall assemblies using stone wool and fiberglass light density insulation products, the stone wool assembly resulted in STC values similar or slightly above the fiberglass wall assembly³
- At very low frequencies below 80Hz, transmission loss values are shown to be up to 1dB higher, and with frequencies above 800Hz the differences can be up to 3dB higher, contributing to an overall higher performance in the expanded spectrum of sound that may be experienced in a building
- Stone wool insulation performs better at high frequencies due to its mass and airflow resistivity when compared with fiberglass insulation
- ROCKWOOL™ has available acoustic modelling support through our Building Science team to recommend the optimal solution for your project

Fire

- AFB is a spec friendly product, being included in a wider range of UL fire listings when compared to fiberglass products, with greater than 50% visibility in UL fire listings
- For a complete list of AFB fire-rated assemblies, search on UL's Product iQ database with Product Category "BZJZ". AFB is valid for any assembly where a BZJZ component is required.
- AFB is non-combustible and has the lowest possible flame spread / smoke developed index of 0/0 per ASTM E84. Fiberglass products are classified as <25/<50 only. Actual FSI / SDI values are not reported.

Sustainability

- ROCKWOOL AFB and AFB evo have certified listings for USDA BioPreferred and UL GreenGuard Gold certification
- AFB has achieved a Red List Approved Declare Label, and ROCKWOOL AFB evo has achieved a Red List Free Declaration, and has also achieved the UL Environment's Formaldehyde Free Environmental Claim validation

1 Frictional force data collected through a third party study conducted for ROCKWOOL by Element Materials Technology.
2 Comments gained through a third party installation study conducted for ROCKWOOL by Home Innovation Research Labs
3 STC data taken from the Canadian National Research Council (NRC) report, "Perceptual Acoustics Differences between Stone Wool Insulation and Fiberglass Insulation"

SKU Profile*

AFB Steel Stud

Thicknesses	Dimensions
1" - 4" in ½" increments, 5", 6"	Available in 16" and 24" oc for steel studs

AFB Wood Stud

Thicknesses	Dimensions
3", 3.5"	Available in 16" and 24" oc for wood studs
3", 6"	Available in 19.2" I-Joist sizing

*USA Sku Profile

ROCKWOOL AFB is available in a variety of thicknesses, and sized for both steel stud and wood stud cavities. For the full AFB product portfolio, additional product information and resources, visit rockwool.com/afb

