



Staple-Free Insulation

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Description

Knauf Staple-Free Batt Insulation is a flexible, fiber glass insulation batt with a flangeless kraft facing. This product is designed for friction fit application, requiring no stapling to hold the batt in the stud cavity. In addition, the kraft facing provides a vapor retarder membrane.

Application

Knauf Staple-Free Batt Insulation is designed for use in wood framed cavities of exterior wall assemblies, where the framing members are 16" o/c. In some cases, such as knee wall applications, you should continue to install Knauf Kraft Faced Batt Insulation.

Installation Instructions

- Knauf Staple-Free Batt Insulation is a friction fit batt designed for use in standard 2" x 4" wood framed construction where the stud spacing is no more than 16" on center.
- Place Staple-Free Batts snugly in the wall cavity between framing members with the facing toward the inside of the home and without compressing the batt. The kraft facing edge should make contact with the stud framing along the full batt height on both sides. Stapling is not required.
- For smaller stud cavities, cut staple-free batts ¾" wider than the inside width dimensions of the wall cavity and follow the instructions above.
- The installer should make certain that there are no obstructions that could prevent a tight fit and create a gap or void. Repair all tears in kraft facing.
- Do not leave kraft faced batts exposed. Cover with and approved finish material (i.e. gypsum board).
- Gently stuff scrap pieces of insulation in a small opening—especially those around windows or doors. Place small pieces of insulation behind all outlet boxes without over-compressing the insulation.

- Attention to detail is very important. Seal all penetrations in exterior walls with insulation caulk or foam sealant.

Specification Compliance

- ASTM C 665, Type II, Class C

Technical Data

Thermal Value

- Thermal resistivity (R-value) is determined using industry standard test method ASTM C 518 and NVLAP accredited testing facilities.

Moisture Permeance (ASTM E 96)

- Kraft faced products have a moisture permeance of 1.0 or less.

Water Vapor Sorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

GreenGuard Certification and Greenguard for Children and Schools Standard™

Packaging

Knauf Staple-Free Batt Insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture. Knauf's unitized packaging combines four batt bags in one convenient banded package, requiring less space for storage.

Fiber Glass and Mold

Fiber glass insulation will not sustain mold growth. However, mold can grow on almost any material when it becomes wet and contaminated with organic materials. Carefully inspect any insulation that has been exposed to water. If it shows any sign of mold it must be discarded. If the material is wet but shows no evidence of mold, it should be dried rapidly and thoroughly. If it shows signs of facing degradation from wetting, it should be replaced.

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LEED Eligible Product

Use of this product may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System. Credit 4.1 - 4.2 Recycled Content
Credit 5.1 - 5.2 Regional Materials



Knauf Staple-Free batts are certified for indoor air quality as a low emitting product by The GREENGUARD Environmental Institute™ to both the GREENGUARD Certification Program™ and the more stringent GREENGUARD For Children and Schools™ standard. www.greenguard.org.

Forms Available

Batts	Size	Kraft
R-13	3½" x 15¼" x 93"	•
R-15	3½" x 15¼" x 93"	•
R-21	5½" x 15¼" x 93"	•