

UNFACED ROLLS

Fiberglass insulation is designed to friction fit between framing members. Specifier permitted choice of warm side vapor retarders, including foil backed gypsum board or polyethylene film. Unfaced fiberglass insulation is also an excellent sound control insulation, designed for installation in floor systems and in partition walls between rooms or dwellings.

Specification Compliance

- ASTM C665, Type I, Class A
- HH-521F, Type I, Class A
- ASTM E36

Forms Available

- R-11 (1.9) 3½" (89 mm)
- R-13 (2.3) 3½" (89 mm)
- R-19 (3.3) 6¼" (159 mm)
- R-25 (4.4) 8" (203 mm)
- R-30 (5.3) 10" (254 mm)

KRAFT FACED ROLLS

Fiberglass insulation with asphalted kraft paper with stapling flanges. Kraft vapor retarder has vapor transmission (permeance) rating of 1.0 or less. Kraft faced fiberglass insulation has excellent sound control properties, designed for installation in floor systems and in partition walls between rooms or dwellings. Kraft facing will burn and should not be left exposed. Install kraft facing in contact with approved finish material.

Specification Compliance

- ASTM C665, Type II, Class C
- HH-521F, Type II, Class C

Forms Available

- R-11 (1.9) 3½" (89 mm)
- R-13 (2.3) 3½" (89 mm)
- R-19 (3.3) 6¼" (159 mm)
- R-25 (4.4) 8" (203 mm)
- R-30 (5.3) 10" (254 mm)

FOIL FACED ROLLS

Fiberglass foil insulation with asphalted-coated kraft/foil facing with flanges. Foil vapor retarder has vapor transmission (permeance) rating of 0.05 or less. Insulation should not be left exposed. Cover with fire rated finishing surface.

Specification Compliance

- ASTM C665, Type III, Class B
- HH-521F, Type III, Class B

Forms Available

- R-11 (1.9) 3½" (89 mm)

ECOSE TECHNOLOGY

ECOSE technology is a revolutionary binder chemistry that enhances the sustainability of our products.

The "binder" is the bond that holds our fiberglass product together and gives the product its shape and brown color. ECOSE Technology is a plant-based, sustainable chemistry that replaces the phenol/formaldehyde (PF) binder traditionally used in fiberglass products. Products using ECOSE technology are formaldehyde-free and have reduced global warming potential when compared to our products of the past.

SUSTAINABILITY

Knauf Insulation's products used for thermal insulating purposes recover the energy that it took to make them in just hours or days, depending on the application. Once installed, the product continues to save energy and reduce carbon generation as long as it is in place.

Fiberglass insulation with ECOSE Technology contains three key ingredients:

- Recycled glass content, verified annually by UL Environment
- Sand, one of the world's most abundant resources
- Our green chemistry initiative ECOSE Technology, which is validated to be formaldehyde-free

THERMAL PERFORMANCE

Thermal resistance (R-value) of the blanket insulation only is certified to be as represented above when measured at a mean temperature of 75° F (24° C) and subject to manufacturing and testing tolerances.

CERTIFICATIONS

- UL Environment
 - GREENGUARD
 - GREENGUARD Gold
 - Formaldehyde-free
- Declare Red List Free
- Energy Star
- USGBC LEED
- EUCEB

FIBERGLASS AND MOLD

Fiberglass insulation will not sustain mold growth. However, mold can grow on almost any material when it becomes wet and contaminated. 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.

NOTES

The chemical and physical properties of Knauf Insulation EcoRoll insulation represent average values determined in accordance with accepted test methods. The data is supplied as technical service and is subject to change without notice. References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

Check with your Knauf Insulation Territory Manager to ensure information is current.

This product is covered by one or more U.S. and/or other patents. See patent www.knaufinsulation.us/patents.