

Description

Knauf KF-110 Commercial Building Insulation is an unfaced, semi-rigid batt insulation made from inorganic fibers bonded by a thermo-setting resin. The KF-110 batt has sufficient tensile, bond strength and rigidity for normal handling by a fabricator or contractor.

Application

Knauf KF-110 Commercial Building Insulation is suitable for applications for wall panels and roof cavities in pre-engineered metal buildings or other types of commercial building applications, such as between steel studs, sandwich walls and roof panels.

Features and Benefits

Energy Conservation

- Knauf KF-110 Commercial Building Insulation has excellent thermal properties and reduces the building's operating costs for heating and air conditioning.

Permanence

- Knauf KF-110 Commercial Building Insulation will not rot, mold or deteriorate and will not provide sustenance for vermin, rodents or insects.

Low Cost Installation

- Knauf KF-110 Commercial Building Insulation is lightweight, easy to handle and fabricate, resulting in quicker installation and lower installed costs.

Specification Compliance

- HH-I-558C; Form B, Class 6
- ASTM C 553 Type I, II
- ASTM C 991 Type I
- ASTM E 136
- CAN/ULC S702-97

Technical Data

Surface Burning Characteristics

- Does not exceed 25 Flame spread, 50 Smoke developed when tested in accordance with ASTM E 84, NFPA 255 and CAN/ULC S102-M88.

Odor (ASTM C 1304)

- No objectionable odor emission.

Corrosiveness (ASTM C 665)

- Does not accelerate corrosion on steel, copper or aluminum.

Microbial Growth (ASTM C 1338)

- Does not promote growth of fungi or bacteria.

Water Vapor Sorption (ASTM C 1104)

- Less than 0.2% by volume or 5% by weight.

Temperature Resistance (ASTM C 411)

- The unfaced blanket will not deteriorate up to 232°C (450°F).

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. Air handling insulation used in the air stream must be discarded if exposed to water.

Notes

The chemical physical properties of Knauf KF-110 Commercial Building Insulation represent typical average values determined in accordance with accepted test methods. The data is subject to normal manufacturing and testing variations. The data is supplied as a 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 sales representative to assure information is current.

KF-110 Commercial Building Insulation

Submittal Date _____



Standard Forms Available				
			Thermal Resistance "R"	
Thickness	Width	Length	R-Value	RSI
51 mm (2")	610 mm (24")	1219 mm (48")	8	1.4
76 mm (3")			12	2.1
102 mm (4")	816 mm (32")		16	2.8
127 mm (5")			20	3.5
152 mm (6")			24	4.2

Made-to-Order Minimum Quantities					
			Thermal Resistance "R"		
Thickness	Width	Length	R-Value	RSI	MTO
51 mm (2")	610 mm (24")	1219 mm (48")	8	1.4	44 MSF
76 mm (3")			12	2.1	29 MSF
102 mm (4")	816 mm (32")		16	2.8	22 MSF
127 mm (5")			20	3.5	18 MSF
152 mm (6")			24	4.2	15 MSF