

Rigid Plenum Liner *with ECOSE® Technology*

Description

Knauf Insulation Rigid Plenum Liner with ECOSE® Technology is a heavy-density mat-faced fiber glass board insulation bonded with ECOSE Technology. Its base board is brown with a black mat facing to give the airstream a smooth, tough surface, that resists damage during installation and operation.

ECOSE Technology

ECOSE Technology is a revolutionary binder chemistry that makes Knauf Insulation products even more sustainable than ever. It features rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals traditionally used in fiber glass insulation products. ECOSE Technology reduces binder embodied energy and does not contain phenol, formaldehyde, acrylics or artificial colors.

Application

Knauf Insulation Rigid Plenum Liner with ECOSE Technology is specifically designed as an interior insulation material for heating, ventilating and air conditioning plenums and sheet metal ducts. It offers an optimum combination of efficient sound absorption, low thermal conductivity and minimal air surface friction.

Benefits

- Greatly reduces noise from fans and mechanical equipment as well as cross-talk and air movement

Specification Compliance

In U.S.:

- ASTM C 1071; Type II
- ASTM G 21
- GREENGUARD Certified®
- GREENGUARD GOLDSM
- UL/ULC Classified
- Does not exceed 25 Flame Spread, 50 Smoke
- Up to 250°F

Microbial Growth (ASTM C 1338)

- Does not promote or support the growth of mold, fungi or bacteria

Sound Absorption Coefficients (ASTM C 423, Type A Mounting)

Octave Band Center Frequency (cycles/sec.)

Product	NRC
3.0 PCF 1"	.65
3.0 PCF 1.5"	.85
3.0 PCF 2"	.95

Thermal Conductance "C"¹ and Resistance "R"² (ASTM C 177)

Mean Temperature 75°F (24°C)

Product	Resistance "R"
3.0 LB 1"	4.3 (.76)
3.0 LB 1.5"	6.5 (1.15)
3.0 PCF 2"	8.7 (1.53)

Forms Available*

Thickness	Density	Width	Length
1"	3.0 LB	24" and 48"	48" and 96"
1½"			
2"	3.0 LB	24" and 48"	36", 72", 96", 120"

*Consult price sheet for minimum order quantities. Pallets available on made-to-order basis.