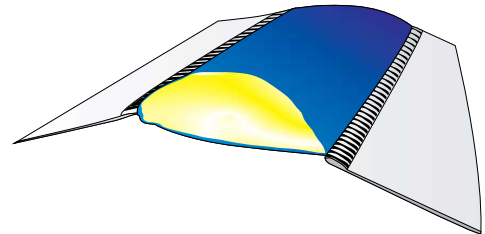




Description

Isolex is highly efficient, resilient, flexible blanket insulation composed of fine, stable and uniformly textured inorganic glass fibers bonded together by a non-water soluble and fire-retardant thermosetting and heat resistant resin. It is free from coarse fibers and shot due to its mineral composition.



Application

Isolex is intended for use in commercial, institutional, industrial and residential construction as thermal and acoustical insulation of heating, air conditioning and dual temperature ducts and air handling equipment. The use of Isolex Wrap helps prevent condensation when properly applied to air-condition ductwork.

The semi-rigid duct wrap with densities from 24 to 40 kg/m³, are flexible insulation rolls for application over irregularly-shaped surfaces where rigid as well as flexible properties are desired.

Isolex

- Made of fiberglass insulation between two layers of fabrics.
- "R" value : 4.5
- Insulation thickness : 1"
- Insulation density : 1-1/2 lbs/cft
- High temp. : 160°F (70°C)

Features

- Non Capillary
- Non Hygroscopic
- Non Corrosive

Sound Absorption Coefficients

Frequency (Hz)	125	250	500	1000	2000	4000
α_s (2.36")	0.31	0.59	0.89	1.00	1.05	1.11

Compressive Strength

- PSF at 10% deformation: 12
- PSF at 25% deformation: 20

Nominal Thermal Conductivity

- (ASTM C 518) (BS 874) "K" value at "λ" mean temperature

0°C	10°C	24°C	50°C	75°C	100°C
0,031	0,032	0,035	0,039	0,043	0,047

Fire Properties

- Classified A.1 as per EN 13501-1

Working Temperature Limitations (ASTM C 411)

- (ASTM C 411) -4°C to + 350° C

Alkalinity

- pH 9

Mold Growth (ASTM D 2020, UL 181)

- Does not breed or sustain mold, fungus, bacteria or rodents.