

Energy Shield Products are made from the following:

Prodex Total Insulation Foil-Foam (FfmF) Insulation

Meets or Exceeds most Building Code Standards

<u>Characteristics</u>	<u>Value</u>	<u>Regulation</u>
Cell Structure	Closed	
Thickness	0.5 a 5 mm	
Density	30 -40kg/m ³	ASTM D 1622
Thermal Conductivity	0.035 a 0.045W/m ⁸ C	ASTM C-518
Noise Insulation	19dBA	IRAM 4063
Resistance to Mineral Oils	SAE 30 15 dias 230C	ASTM D 1171
Compression Resistance	25% CD 6PSI (41.4KPa)	ASTM D-3575
Flame Spread Index/Class	"A" - Class 1 0	ASTM E-84
Smoke Index/Class	"A" -Class 1 15	ASTM E-84
R. Value	14.5	ASTM C-236

Heat flow direction is down; emittance of the foil surface is 0.03 & 42 mm airspaces.

Prodex Total Insulation:

- Is waterproof and non-absorbent.
- Provides Class A/Class 1 fire rated protection.
- Provides 19 DB Soundproofing.
- Convenient flange tabs on sides.
- Does not mildew or promote fungus growth.
- Does not provide nesting for birds, rodents or insects.
- Is safe for workers to use as there are no fibers to breathe or cause skin irritation.
- Has more insulation value than 6 inches of common mass insulation products.
- Can be stapled, nailed, glued or sewn.
- Easy to cut
- Reflects 97% Radiant Heat
- R-14.5