

EFS™ -1

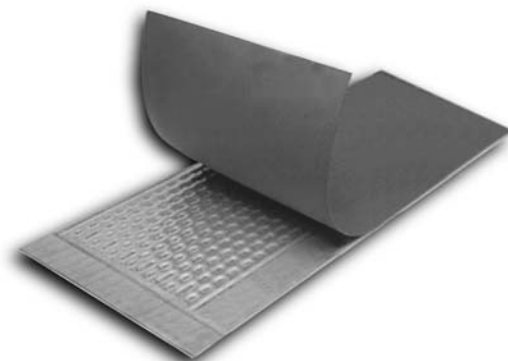
Heat Transfer Compound

Product Specifications

Application . . .

EFS-1 is a preformed flexible heat transfer compound designed for use between plate-type external heating/cooling coils and process vessels. Thermon's heat transfer compounds provide an efficient thermal connection between the coils and the process equipment. By eliminating the air voids that would ordinarily exist, heat is directed into the vessel wall primarily through conduction rather than convection and radiation.

As a graphite and resin-based heat transfer compound, EFS-1 is supplied in roll form for ease of installation. Typical applications require no additional surface preparation, allowing fast, clean and simple installation.



Specifications/Ratings . . .

Maximum exposure temperature	208°C
Minimum exposure temperature	-73°C
Minimum installation temperature	-12°C
Heat transfer coefficient, U	heater to tank wall 114-227 W/m ² •°C
Electrical resistivity	57 Ohm/cm
Shelf life	indefinite
Bond shear	689-1034 kPa
Water-soluble	no

Description . . .

EFS-1 is extruded in 305 mm wide, 3.2 mm thick sections and up to 152 m in length.

EFS-1 is nonsoluble in most liquids and requires no curing procedures when the heating medium is at or above 93°C¹.

Benefits . . .

- Factory-formed; requires no curing
- Developed specifically for external heating coils
- Nonsoluble in water
- No surface preparation required
- Ensures rapid, clean, error-free installation
- Free design assistance

Note . . .

1. If under normal conditions heat transfer fluids are below 93°C, a four-hour start-up procedure should be implemented to circulate fluids ≥93°C through the coil.



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