

K-FIT™

Flexible closed cell elastomeric fittings
Uniform, Reliable and Cost Effective.



PREFABRICATED FITTINGS

DESCRIPTION

K-Fit™ Prefabricated Fittings are the easiest, most reliable way to insulate standard fittings. They are produced under controlled conditions in our manufacturing location using an automated process to insure uniformity, good fit and water-tight seams.

K-Fit™ Prefabricated Fittings are available in wall thicknesses of 1/2", 3/4", 1" and 1-1/2" in sizes ranging from 3/8" I.D. to 6" IPS. In addition, they are available in Grooved Pipe sizes.

K-Fit™ Prefabricated Fittings are available in 45's, 90's, P-Trap and T's in each of the K-Flex elastomeric types - Black, White, and K-Flex ECO. See respective data sheets for additional physical properties.

K-Fit™ Prefabricated Fittings are non-porous, non-fibrous and resist mold growth. They are environmentally friendly and CFC free.

APPLICATIONS

K-Fit™ Prefabricated Fittings are used to retard heat gain and prevent condensation or frost formation on refrigerant lines, cold water plumbing, and chilled water systems. They also retard heat loss for hot water plumbing, liquid heating, dual temperature piping, and solar systems.

K-Fit™ Prefabricated Fittings manufactured from standard insulation are recommended for applications ranging from -297°F to 220°F (-182°C to 104°C). Fittings manufactured from K-Flex ECO have a temperature range up to 300°F (150°C). The expanded closed cell structure makes K-Fit™ Prefabricated Fittings an efficient insulator and an effective moisture vapor retarder.

INSTALLATION

Installation of K-Fit™ Prefabricated Fittings are easy, fast and provide a reliable installation system. For best installation results apply fittings prior to straight run insulation.

Step 1: Slit Fitting.

Step 2: Apply contact adhesive to longitudinal seam (both surfaces).

Step 3: Allow adhesive to become tacky.

Step 4: Apply fitting to pipe.

Step 5: Apply pressure to seam.

Step 6: Install straight pipe insulation and adhere to fittings.

OUTDOOR APPLICATIONS

K-Fit™ Prefabricated Fittings are made from a UV resistant, elastomeric blend. For moderate UV exposure applications, no additional protection is needed. However, for severe UV exposure applications (rooftop applications) or where optimum performance is required, 374 Protective Coating or appropriate jacketing or cladding should be used. For more detailed information refer to

the Installation Guide.

RESISTANCE TO MOISTURE VAPOR FLOW

The closed-cell structure and unique formulation of K-Fit™ Prefabricated Fittings effectively retards the flow of moisture vapor, and is considered a low transmittance vapor retarder. For most indoor applications, K-Fit™ Prefabricated Fittings need no additional protection.

Additional vapor barrier protection may be necessary for K-Fit™ Prefabricated Fittings when installed on low temperature surfaces that are exposed to continuous high humidity.

FLAME AND SMOKE RATING*

K-Fit™ Prefabricated Fittings in wall thicknesses of 1-1/2" (38 mm) and below have a flame spread rating of 25 or less and a smoke development rating of 50 or less as tested according to ASTM E 84: "Surface Burning Characteristics of Building Materials." K-Fit™ Prefabricated Fittings are acceptable for use in duct/plenum applications meeting the requirements of NFPA 90A/B. This does not apply to fittings made from K-Flex ECO.

Numerical flammability ratings alone may not define the performance of products under actual fire conditions. They are provided only for use in the selection of products to meet limits specified, when compared to a known standard.

SPECIFICATION COMPLIANCE*

ASTM C 534 Type 1 (Tubing), Grade 1 / Grade 3 (ECO)

ASTM D 1056-00-2C1

New York City MEA 186-86-M Vol. IV

USDA Requirements

Greenguard Certified - Low VOC's "Children and Schools" and listed as mold resistant

UL 94-5V Flammability Classification (Recognition No. E300774)

ASTM E 84 1-1/2" 25/50-tested according to UL 723 and NFPA 255

Complies with requirements of CAN/ULC S102-M88

FMRC Approval Guide Chapter 14 Pipe Insulation

NFPA No. 101 Class A Rating

Meets requirements of NFPA 90A Sect. 2.3.3 for Supplementary Materials for Air Distribution Systems

Meets requirements of ASTM C 411 (Test Method for Hot Surface Performance of High Temperature Thermal Insulation)

Meets requirements of UL 181 sections 11.0 and 16.0 (Mold Growth/Air Erosion)

* Not applicable to K-Flex ECO.

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