



PF-96
DUCT LINER ADHESIVE SPRAY GRADE/
FLAMMABLE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Miracle® PF-96 Duct Liner Adhesive is designed for application by spray equipment when bonding low density fiberglass insulation to the interior and exterior of all types of painted or unpainted metal duct work.

ADVANTAGE:

- High strength bonds/ High tack
- Reduced application times
- Fast tacking formulation
- Excellent sprayability
- No cob-webbing

RECOMMENDED USES:

PF96 is a high performance, quick tack Duct Liner Adhesive specifically formulated for commercial spray application.

- Spray, Brush or Roller
- Leading edge Sealing
- Laminating layers of Fibrous Glass
- Adhering and sealing laps of pipe insulation
- Bonding Urethane Foam to Sheet Metal (apply to metal or foil) and Gypsum Board
- Adhering Kraft-back Foil and Foil Jacketing to Urethane Foam (apply to foil)
- Bonding low- and high-density fiberglass insulation to interior/ exterior sheet metal, galvanized metal, stainless steel and aluminum air-conditioning and heating ducts
- Bonding fibrous insulation to concrete, wood, gypsum board and rigid construction materials.

INDUSTRY STANDARDS:

- ASTM C916 - Meets Type IV criteria for Insulation Adhesives
- Meets requirements of NFPA 90A and 90B

UNDERWRITERS LABORATORIES INC.

Classified: Adhesives R-6891
Surface burning characteristic applied to inorganic reinforced cement board
Flame Spread.....15
Smoke Developed.....0
Tested as applied at a coverage rate of 450 sq ft/ gal.
Flash point of finished adhesive (closed cup), less than -10°C (14°F).

TYPICAL PROPERTIES:

Property	Typical Value
Base:	Synthetic polymer
Solvent:	Organic Solvent**
Shelf Life:	1 year from Date of Manufacture*
Colors:	Red
Solids Content:	31.5% ± 3%
Weight/ Gallon	6.33 lbs/ gallon
Viscosity	2,500 – 3,000 cps
Open Time	30 minutes
Dry Time	2 – 5 minutes
Coverage	450 - 600 sq ft/ gallon
No urea Formaldehyde is added during adhesive manufacturing	
* The shelf life for an unopened container of this adhesive stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall.	
** Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage..	

DIRECTION FOR USE:

- Surfaces should be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.
- Adhesive and materials should be between 60°F (15.6°C) and 95°F (35°C).
- Stir adhesive thoroughly.
- Apply a uniform coat of adhesive to surface to be bonded. Completely cover the surfaces.
- Drying will take from 2 – 5 minutes at room temperature. Heat/ cold weather and humidity can effect drying times.
- Daily pre-testing is recommended prior to use.
- Surfaces are dry if adhesive is tacky, but still transfers to the hand when touched.
- Complete the bond within 20 minutes (under normal conditions).
- Apply insulation and apply firm pressure over entire surface, working from the center to the edges.
- Apply uniform pressure over 100% of the area to be bonded.
- Do not expose bonded parts to direct sunlight or excessive heat.
- Replace lid after each use and secure tightly for storage.

ATTENTION

Spraying and drying must be in an area provided with approved adequate ventilation to exhaust the solvent vapor, or in an approved spray booth. Contact local authorities for requirements in your area. Do not breathe dust, vapors or spray mist. Prevent static build-up. Properly bond and ground all containers and components. Vapors may ignite explosively.

Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors, and other sources of ignition during use and until all vapors are gone.

Empty container remains hazardous until all flammable vapors, which may explode upon ignition, are gone from residue and container. Observe all labeled hazard precautions. Do not cut, puncture, or weld while hazard exists. Do not reuse empty container. Recycle, or dispose of, according to all federal, state, and local regulations. Do NOT use on copper substrates or its alloys. Do NOT use copper spray systems or fluid components.

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY
USE ONLY WITH APPROVED EQUIPMENT**

NOTICE TO PURCHASER:

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Complete technical information is available from
ITW Polymers Sealants North America, Inc.