



TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Miracle® PF2001 is a solvent based canister system that offers a convenient way to bond low-density fiberglass insulation to interior and exterior metal ductwork, painted or unpainted. **PF-2001's** lacing spray pattern tacks quickly, even on many non-porous surfaces, but without cobwebbing. **PF-2001** is industrial grade and is suited for bonding paper, cardboard, cork cloth, urethane foam, foil, etc. to metal, wood, glass or other surfaces.

ADVANTAGE:

- Quick tack
- No time consuming equipment cleanup
- Good resistance to oxidation, moisture, heat and UV exposure
- Excellent bond strength
- Spray canister system is portable and convenient

TYPICAL PROPERTIES:

Property	Typical Value
Base:	Synthetic Polymer
Solvent:	Methylene Chloride
Shelf Life:	1 year from Date of Manufacture*
Colors:	Green
Flash Point:	-156°F (-104°C)
Weight/ Gallon	12.0 lbs/ gallon
VOC Content	394.6 g/L (EPA Method 24)
Viscosity	180 –250 cps
Open Time	10 minutes
Dry Time	2 – 5 minutes
Formaldehyde	No urea formaldehyde 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

APPROVED EQUIPMENT:

- Spray gun: SG200
- Spray Tip: ST6502
- Hoses: MH973 (12'), MH974 (18'), MH978 (25')
- T-Bar: MH976
- Before initial use, securely attach gun to hose, then hose to canister.
- Fully open the canister valve: do NOT close valve until empty.
- After initial assembly, leave the hose and gun attached to the canister with the valve open. After safely releasing line pressure, detach gun and hose only when transferring to a new canister. Reattach gun and hose immediately.

DIRECTION FOR USE:

- DO NOT THIN.
- Use only after careful consideration of the warnings, directions, and first aid instructions given.
- Surfaces to be bonded should be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.
- Adhesive should be at 60°F (15.6°C) and 95°F (35°C) during application.
- Allow substrates to acclimate to room temperature for 48 hours before bonding.
- Spray from 8 – 12 inches away and apply the adhesive uniformly to the surface, covering a minimum of 80%. It is recommended to cover the edges 100%. Some porous surfaces may require two coats.
- Spray on metal surface only when bonding insulation.
- Use only approved equipment.
- For typical applications a coating weight of 2.5 – 3.5 dry grams per square foot is recommended.
- Surface must be allowed to dry before bonding. This will take from 2 – 5 minutes at room temperature under normal conditions. Heat and humidity or cold weather can effect drying times.
- Surfaces are dry if the adhesive is tacky, but no adhesive transfers to the hand when touched.
- Complete the bond within 30 minutes (under normal conditions) after the adhesive is dry. If the two surfaces don't grab immediately when brought into contact, they have dried too long.
- Position coated surfaces carefully before putting them together since no shifting is possible once contact is made.
- Bring surfaces together and immediately apply firm pressure over entire surface working from the center to the edges.
- Apply a minimum of 30 psi uniform pressure over 100% of the area being bonded.
- Let bonded parts cure for at least 72 hours before exposing to direct sunlight of temperatures over 150°F (65.6°C).

NOTICE:

PF2001 is not designed to provide permanent bonds in areas that are exposed to intense sunlight or extreme heat (>180°F/ 82°C)

Do not use on some vinyl's or polystyrene foam. Some vinyls contain plasticizers, which can, over time, soften and dissolve the bond, or bleed through/ discolor. It is always recommended to bond a test sample prior to using the adhesive.

ALUMINUM SHOULD NOT BE USED IN TANKS, LINES, PUMPS OR OTHER EQUIPMENT USED TO CONTAIN, TRANSFER OR APPLY THIS ADHESIVE!

ATTENTION:

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 no reuse empty container. Recycle, or dispose of, according to all federal, state, and local regulations.

**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.