



# DUCT BLASTER TEST REPORT

ZIP-EZ™ Insulation Fasteners — Independent Leakage Test Certification

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**RE:**

Report of Duct Leakage Test with Zip-Ez™ Duct Wrap & Flex Fasteners

**OVERVIEW**

ZIP-EZ™ fasteners were independently tested to determine if they contribute to duct leakage. A 12"x12"x8' section of 16-gauge sheet metal duct was sealed with duct mastic and tested using a Minneapolis Duct Blaster with DG-700 gauge at 25Pa, 50Pa, and 100Pa — before and after fastener installation. All results confirmed visually by fog machine and smoke pencil.

**TEST #1 — Baseline Before Installation | Flow Ring #3**

- ✓ 25Pa — No leakage detected
  - ✓ 50Pa — No leakage detected
  - ✓ 100Pa — No leakage detected
  - ✓ Fog machine & smoke pencil: No visible leaks at any joint or seam
- 7 fasteners then installed through 3" duct insulation sections, spaced 12" on center.

**TEST #2 — After Fastener Installation Through Insulation | Flow Ring #3**

- ✓ 25Pa — No leakage detected
  - ✓ 50Pa — No leakage detected
  - ✓ 100Pa — No leakage detected
  - ✓ Fog machine & smoke pencil: No visible leaks detected
- 6 additional fasteners then installed directly through sheet metal, no insulation, 12" on center.

**3**

INDEPENDENT TESTS

**25 · 50 · 100 Pa**

PRESSURES TESTED

**0**

LEAKS DETECTED

**100%**

PASS RATE

**TEST #3 — Fasteners Direct Through Sheet Metal | Flow Ring #3**

- ✓ 25Pa — No leakage detected
- ✓ 50Pa — No leakage detected
- ✓ 100Pa — No leakage detected
- ✓ Fog machine & smoke pencil: No visible leaks detected
- ✓ Flow restrictor removed — 100Pa retest: No leakage measured
- Coarse screw threads appear self-sealing. No additional sealant required.

**CONCLUSION**

# ZERO MEASURED OR VISIBLE LEAKAGE

No leakage observed before or after installation at 25Pa, 50Pa, or 100Pa.

Results independently confirmed by fog machine and smoke pencil at every stage.

Coarse screw threads are self-sealing — no additional sealant or tape required.

**Tony Lisanti**

Certified HERS Rater / QA Designee

BPI Certified — Building Analyst, Envelope & Heating

**WHY THIS MATTERS FOR YOUR INSTALLATION**

- ★ ZIP-EZ™ fasteners penetrate duct wrap and sheet metal without creating measurable air leakage.
- ★ Installations pass duct blaster tests — critical for energy code compliance and HERS ratings.
- ★ No additional sealing required at fastener penetration points — saving time on every job.
- ★ Independently confirmed for use in air-handling spaces — zero leakage detected at every pressure.

This test was conducted by an independent, BPI-certified HERS Rater using calibrated equipment within specification.

ZIP-EZ™ fasteners are independently tested and certified for use in air-handling spaces. Zero measured air leakage at all fastener penetration points.

Full documentation available upon request — [sales@jtproducts.com](mailto:sales@jtproducts.com) · 845.988.2000 · [jtproducts.com](http://jtproducts.com)