Thermaflex®

The #1 Flexible Duct in the World.

PHD Insulated Flexible Duct

The Intelligent Choice in Flexible Choice

Patent pending Thermaflex PHD flexible air duct is energy efficient, environmentally friendly and cost effective. Made with 100% recyclable inner core and vapor barrier, PHD is a great choice for LEED projects and applications where sustainability is key. The non-metallic construction of this versatile duct also makes it ideal for MRI and clean rooms.

Features and Benefits:

- 100% recyclable inner core and vapor barrier – simply remove fiberglass and recycle components with PET recyclables.
- For sustainable applications – recyclable factory scrap, lightweight fuel-saving alternative, fully recoverable materials during construction and demolition.
- No metallic components – ideal for use in MRI rooms or other applications where non-ferrous components may interfere with equipment.
- Low-cost alternative to rigid aluminum duct – installation is the same as standard wire-helix flexible duct.
- Corrosion-proof and resilient engineered polymer helix provides excellent long-term structural support.
- Polymer helix is safer than traditional wire helices – will not cause puncture wounds or cuts during installation.
- UL 181 listed Class 1 Air Duct.
- Energy-efficient, formaldehyde free Owens Corning™ Eco-Touch R-8 insulation.

Applications:

- MRI & Clean Rooms • LEED Projects • Environmentally Conscious Builders & Contractors

Increase productivity and profitability with innovative products by Thermaflex®. Contact us today at 1-800-459-4822.

GREENGUARD GOLD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

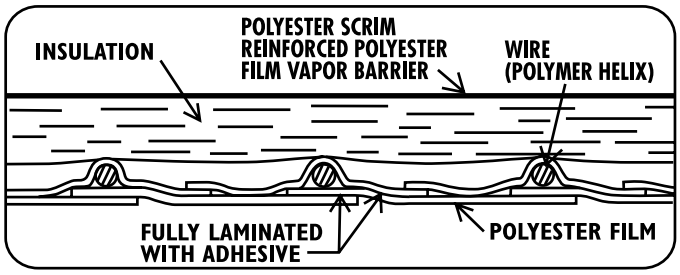
MASTERSPEC building specs done right
HARDI
SMACNA
ADC Air Duct Council
NADCA
cULus LISTED
EcoTouch

THERMAFLEX 10 Ten Year Warranty

PHD Submittal Sheet for Flexible Duct

Insulated Flexible Air Duct for Environmental Air Handling Systems

CODES/STANDARDS		Listed and labeled by Underwriters' Laboratories, Inc., as a Class 1 Air Duct, Standard 181. It complies with the latest NFPA Bulletins 90A and 90B. Meets FHA and other U.S. government agency standards. Flame spread: not over 25. Smoke developed: not over 50.
FABRIC TYPE		Polyester Film.
INSULATION		R-8.0 = 2.25", .74 lb./ft^3 minimum density fiberglass blanket.
EXTERIOR FACING AND VAPOR BARRIER		Polyester scrim reinforced, polyester flim vapor barrier. Flame resistant.
THERMAL PERFORMANCE R-VALUE		ALSO CLASSIFIED BY UNDERWRITERS LABORATORIES, INC.® IN ACCORDANCE WITH ADC FLEXIBLE DUCT PERFORMANCE AND INSTALLATION STANDARDS (1991) USING ASTM C-518 (1991) AT INSTALLED WALL THICKNESS ON FLAT INSULATION ONLY R-8.0
VAPOR BARRIER PERMEANCE		.05 Perm per ASTM. Method E96, Procedure A.
TEMPERATURE RANGE		– 20° F to 250° F. (Per UL 181 Test Method)
SIZES, ID		4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | | | |
LENGTH (feet)		15 ft.
INSIDE BEND RADIUS (inches)		4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | | | |
WIRE		Engineered Polymer wire helix
RATED VELOCITY		5000 fpm.
MAX RATED PRESSURE (inches water column)	**POSITIVE**	10 inches (4-12 in. dia.)
	NEGATIVE	1/2 inch (4-12 in. dia.)



JOB _____

LOCATION _____ P.O. NO.

ENGINEER _____ JOB NO.

CONTRACTOR _____ REPRESENTATIVE _____

Certified Correct — Approved for Construction

BY _____ BY _____

TITLE _____ TITLE _____

DATE _____ DATE _____