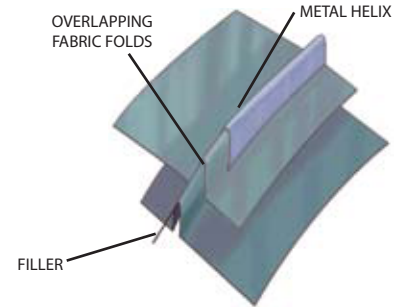
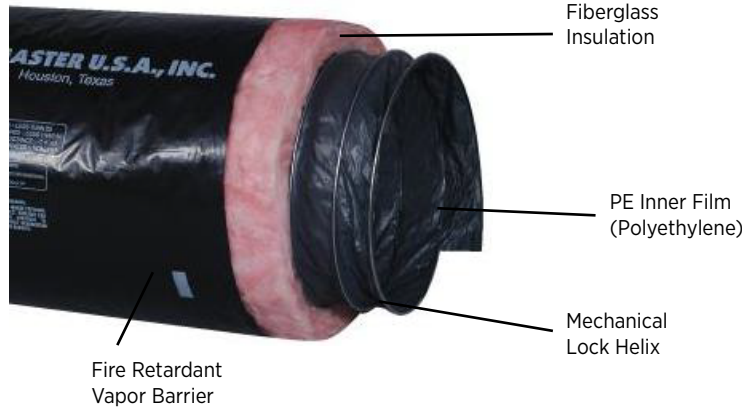


Flexmaster U.S.A®, Masterduct, Inc's HVAC Division
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Type 1B ACOUSTICAL INSULATED



CONSTRUCTION FEATURES

Flexmaster's **Type 1B** is manufactured to meet the highest quality standards in strength, permeability and fire resistance required in a flexible air duct. This insulated ETL Class 1 Connector is fabricated with an acoustically transparent PE inner film which allows mid-range sound energy to penetrate the duct wall.

LINER

A PE (Polyethylene) inner film.
Mechanically Locked without adhesives.

HELIX

Corrosive resistant galvanized steel, formed and mechanically locked to fabric.

VAPOR BARRIER

Black fire retardant Polyethylene material.
Excellent strength at low temperatures.
Will not age harden.

INSULATION

Fiberglass insulation blanket, factory wrapped.

TECHNICAL DATA

Standard lengths (feet)25', Special lengths on request	Internal Working Pressure (W.G.)10" w.g. positive, 5" w.g. negative thru 16" Dia. 1" w.g. negative, 18" & 20" Dia.
Inside Diameter (inches)3", 4", 5", 6", 7", 8", 9", 10", 12", 14", 15", 16", 18", 20"	Rated Velocity5500 F.P.M.
Inside Bend Radius (inches)1/2 x I.D. (all sizes)	Minimum Burst Pressure2 1/2 times working pressure
Air Friction LossSee Friction Loss Chart	Operating Temperature Range-20° to +250°F
Vapor Barrier Permeance(.10) perm A.S.T.M. E96, Procedure A	Flame SpreadLess than 25
Test StandardUL181	Smoke DevelopedLess than 50
Tested ByIntertek/ETL	Thermal Conductanceavailable: R4.2, R6, R8
Certifications MetClass 1 Air Duct, NFPA 90A and 90B, BOCA, SBBC, HUD/FHA, MIN Property Std.	

JOB NAME _____ LOCATION _____
 ENGINEER _____ CONTRACTOR _____
 JOB _____ P.O. NUMBER _____ SUBMITTED BY _____
 COMMENTS _____

Like the UL Mark, the ETL Listed Mark shows that our product has been independently tested by a Nationally Recognized Testing Laboratory (NRTL). That it has met the requirements of widely accepted product safety standards. And that we have agreed to periodic follow-up inspections to verify continued compliance.