



CORROSION RESISTANT VENTILATION PRODUCTS FROM "THE DUCT SPECIALISTS"

VI-A-DUC[®]

"FACTORY MUTUAL APPROVED" PVC exhaust duct. Offers excellent corrosion resistance with FM approval that will reduce insurance costs and duct sprinkler requirements.

VIRO-DUC[®]

"FACTORY MUTUAL APPROVED" FRP fume and smoke exhaust duct. Class I fire and smoke rated without the need for sprinklers.

SSTEELCOAT[®]

"FACTORY MUTUAL APPROVED" Stainless Steel Halar coated fume and smoke exhaust duct. Class I fire and smoke rated with premium corrosion resistance.

STANDARD PVC DUCT SYSTEMS

Excellent corrosion resistance at competitive prices.

STANDARD FRP DUCT

Excellent corrosion resistance with ultraviolet inhibitors. Dozens of resins available to meet your specific corrosion applications.

I.C.B.O. DUCT

"I.C.B.O. APPROVED" FRP exhaust duct. Excellent corrosion resistance with a low flame spread throughout and a low smoke development on the exterior of the duct.

WE'VE GOT OUR DUCTS IN A ROW!!!

All VIRON[®] Duct Products are fabricated per SMACNA and /or National Voluntary Products Standards PS-15-69.



VI-A-DUC[®]
VVD-2000



SSTEELCOAT[®]
VSC-2005



VIRO-DUC[®]
VFM-2003

ENVIRONMENTAL CONTROL SYSTEMS



VIRON[®]

VIRO-PAC[®]

VIRO-DUC[®]

VIRO-CHROME 9000[®]

SSTEELCOAT[®]

VI-A-TROL[®]

SPECIFYING THE CORRECT TYPE OF AIR DUCT

Technical Bulletin No. 2004

The table below is designed to assist you in selecting the correct type of air duct material for your application. Many factors must be considered. The designer must know whether sprinklers are required, what type of material/resin is best suited for the chemical composition of the airstream, what flame and smoke ratings are required, where the duct will be installed, and whether the exterior of the ductwork will be exposed to moisture and/or sunlight. Properties of one duct cannot be combined with those of another to devise a special type of ductwork (i.e. non-sprinkled FM Approved FRP duct cannot be fabricated with UV inhibiting gel coat on the exterior. Therefore, it cannot be installed outside). Always check the chemicals that the ductwork will encounter against various corrosion guides to determine the proper resin for the application. When constraints make selection difficult, please consult Viron's technical staff for assistance.

	Standard or Sprinkled Duct		Non Sprinkled Duct		
Types Available	Standard	ICBO	FM Approved 12" to 60" diameter	FM Approved 12" to 60" diameter	FM Approved 12" to 60" diameter
Material/Resin	Polyester or Vinylester Resin	Polyester or Vinylester Resin	PVC	FRP Phenolic Resin	SST Halar Liner
Sizes	4"-120" Dia. & Rectangle	4"-120" Dia. & Rectangle	4"-120" Dia. & Rectangle	4"-120" Dia. & Rectangle	4"-120" Dia. & Rectangle
Ratings	Class I Flame Spread	Class I Flame & Smoke Spread	Class I Flame Spread	Class I Flame & Smoke Spread	Class I Flame & Smoke Spread
Flame Spread Rating	* 25 or less	* 25 or less	14	10 or less	10
Smoke Development Rating - Interior	500 or more	500 or more	750 or more	5 or less	30
Smoke Development Rating - Exterior	500 or more	15 or less	750 or more	5 or less	0
Interior Surfacing Veil	C-Glass or Nexus Veil	C-Glass or Nexus Veil	N/A	C-Glass	N/A
Ultraviolet Inhibitors	Yes	No	Yes	No	N/A
Exterior Coating	Colored Gel Coat	ICBO Low Smoke Paint	No	No	No
Location Used	Inside or Outside	Inside only	Inside or Outside	Inside only	Inside or Outside
Exterior Moisture Resistant	Yes	No	Yes	No	Yes
Manufacturer	Viron® International Corporation	Viron® International Corporation	Viron® International Corporation	Viron® International Corporation	Viron® International Corporation
VIRON® brand name			VI-A-DUC®	VIRO-DUC®	SSTEELCOAT®

* When flame retardant resin is modified per the resin manufacturers instructions with antimony trioxide.