

# FloFlex™

InsulSand™ Layflat PCA



## FloFlex™

FloFlex™ heat-sealed (welded) layflat PCA ducting is designed for the demanding positive pressure applications of the airline industry. The fabric's construction provides flexibility and high resistance to external abrasion. FloFlex's™ unique spiral construction allows the addition of a military specification scuff strip that provides protection for the entire duct. As a result, FloFlex™ experiences reduced fatigue and a longer service life. An extended inner liner and elastic seals at connection points minimize air loss. FloFlex™ has excellent UV stabilization for rigorous outdoor use, mold and mildew inhibitors, and meets UL94VTM-O standards.



### OUTER SHELL

The outer shell is comprised of VentaTex® 20XHDMW 3-ply, 20 ounce/square yard (678 g/m<sup>2</sup>) high strength PVC fabric and black wearstrip that meets military specification. To improve abrasion resistance, nine millimeters of high density molecular weight PVC is added to the external wear surface. Manufactured by ABC Industries, Inc., the custom laminate is produced by compressing high strength, multi-denier, uni-directional RipStop polyester yarns between PVC films. Finished material thickness is .029 inches (.737 mm).

### INSULATION LAYER

The middle layer consists of stitch-bonded polyester insulation similar to the high performance material found in cold weather clothing and camping products.

### INNER LINER

The inner sleeve is made of VentaTex® 11-1812 high strength material, and 11 ounce/square yard (373 g/m<sup>2</sup>), 3-ply PVC fabric manufactured by ABC Industries, Inc. VentaTex® 11-1812 is specially designed to eliminate delamination commonly found in other inner liners. It is constructed by compressing high tenacity, high density polyester yarn between PVC films. Finished material thickness is .017 inches (.432 mm).

### SPECIFICATIONS

Temperature	-20° to 180° F (-29° to 82° C)
Diameter	8", 12" & 14" (200 mm, 300 mm, 350 mm). Larger diameters available upon request.
Length	10', 20', 25', 50' (3 m, 6 m, 7.5 m, 15 m). Custom lengths available upon request.
Color	Yellow with Black Wearstrip
Wearstrip	Heavy-Duty Military Specification, Abrasion Resistant
Optional End Finishes	Fold Over Velcro® Cuff, Soft Cuff, Zipper Cuff



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