



Weaves of Green



7.0 oz Weaves of Green

This porous cloth is the first in the Fabric Ductwork industry to be made of 100% post consumer recycled consumer products. Available in white or black; this cloth is the perfect compliment to any environmentally conscious company or customer. Make sure that Hero FabriDuct™ Weaves of Green™ is specified for your next project.

- **The Green Advantage**

Hero FabriDuct™ is a green product. By that we mean that ours is a product designed to promote environmental restoration without placing an undue economic burden on the project manager. The Team at Hero FabriDuct™ is working hard to be good stewards of what seems to be an increasingly fragile ecosystem. We are all well aware that it is our duty and responsibility to make a positive impact on our world and to help preserve it for

- **Healthy Lifestyle Advantage**

Hero FabriDuct™ can improve the delivery and consistency of air into any facility. You have more effective air distribution which then translates into a more consistent temperature range. Hot and cold pockets are avoided, vastly improving the interior environment of your structure. With its noise reduction, you also have a quieter delivery of air, all of which creates an environment conducive to a healthy lifestyle. Together the quieter, more consistent delivery of air, along with the increased consistency of temperature ranges, work together to promote health and vitality.

- **Environmental Advantage**

Hero FabriDuct™ is an environmentally friendly choice. Fewer natural resources are used in the manufacturing process. Since FabriDuct weighs less than metal and requires less space, it costs less to ship which means we use fewer fossil fuels. All of our shipping materials are recyclable and the system is designed to leave no waste on the job site to further impact already overflowing landfills. Fewer power tools and man hours are used during the installation process which further decreases the demand for fossil fuels.



Specifications for Hero FabriDuct™ Fabric Air Dispersion System

1. **Manufacturer for Fabric Made Ductwork:** Hero FabriDuct, LLC
 - Hero FabriDuct, LLC**
 - 5344 Ringgold Rd.**
 - Chattanooga, TN 37412**
 - Phone: 1-877-HERO AIR**
 - FAX: 1-423-510-8330**

2. **Air diffusers shall be constructed of a woven fire retardant fabric complying with the following physical characteristics:**
 - a. Fabric Construction: 100% Flame Retardant Polyester
 - b. Weight: 7.0 oz
 - c. Color: As selected by architect
 - d. Air Permeability: 22 CFM/ft.² (+1-1) ASTM D737
 - e. Temperature Range: 0° F to 250° F
 - f. Fire Retardancy: Meets testing requirements of fabric air dispersion systems as defined in NFPA 90A & 90B. Our product achieves a Class 1 rating per ASTM E-84.

3. **Design & Fabrication Requirements:**
 - a. Lengths to include required zippers as specified by manufacturer.
 - b. Inlet transition and end cap to include zippers for easy removal/maintenance.
 - c. Dispersion by Linear Slots
 - d. Width of and location of linear slots to be specified and approved by manufacturer.
 - e. Fabric System to include connectors to attach to suspension system listed below.
 - f. Inlet connection to metal duct via metal band supplied by manufacturer.
 - g. Fabric diffusers should only be used for positive pressure air distribution components of the mechanical ventilation system.
 - h. Fabric air diffusers shall be designed for 0.5-inch water gage, producing a maximum operating pressure of 3.1 inches of water.
 - i. Diffuser lengths, static pressure and design CFM shall be signed/approved by the manufacturer.
 - j. Fabric air diffusers cannot be used in concealed locations.
 - k. Fabric air diffusers shall be limited to design temperatures between 0° F and a maximum of 250° F.
 - l. All deviations from a straight run shall be designed by the manufacturer to meet job specifications.

4. **Suspension Hardware:**

- a. **One & Two Row Cable:** Systems shall include plastic coated cable, eyebolts, cable clamps, thimbles, and turnbuckles. Attachment shall be made using snap clips spaced 24 inches apart. Vertical support hardware for longer and larger diameter applications is required. These supports should be installed approximately every 25 feet.
- b. **One & Two Row Aluminum Track/Roller Tab:** Hardware to include 12, 14 or 16-foot sections of track, sliders, splice connections and end caps. If suspended, vertical cable supports (max 8 foot spacing) require eyebolts and cable clamps.
- c. **One & Two Aluminum Track/Cord In:** Same options as the Roller Tab system, but attachment to track system will be made with a continuous length sewn into the appropriate position for installation.

5. **Installation, Cleaning and Protection:**

- a. Install chosen suspension system in accordance with the requirements of the manufacturer. The product manufacturer is to provide installation instructions.
- b. Clean air-handling unit (s) and duct work just prior to installing fabric air diffusers. Clean external surfaces of foreign substances that might cause corrosive deterioration of facing.
- c. At duct ends not connected to equipment or distribution device at time of ductwork installation, cover with polyethylene film or other covering to keep system clean until installation is completed.
- d. If Hero FabriDuct™ air diffuser system becomes soiled during installation, remove and clean in accordance with manufacturer's standard terms of laundry.
- e. Hero FabriDuct™ has been tested and meets the requirements of ASTM E 84 as an Air Distribution Device. The products also meet the requirements set by the NFPA 90A and 90B compliance: Class 1 rating per NFPA 255.
- f. Hero FabriDuct™ products shall be 100% warranted to be free from manufacturing defects for one year from date of shipment; prorated for 9 years thereafter.