



Going Big with Spiracoustic Plus®

A sheet metal manufacturer in North Carolina needed a good solution for 60+-inch duct insulation, and Johns Manville had just the thing.

Insulating a 62-inch duct is no small ask. Between engineering concerns with weight in an older building and the logistics of something so large, the folks at Hamlin Sheet Metal in Benson, North Carolina, needed an alternative to a double-walled system.

Thanks to some Johns Manville expertise and advisement on the project, Hamlin used Spiracoustic Plus® duct liner and achieved great results.

"60-inch ducts are scary as it is, and there were concerns with weight and what a double-walled system would add, so we went with Spiracoustic Plus," explained Robin Stegall, Sales Manager for Hamlin. "It was the first time for Hamlin that we did these larger diameters – we had stopped at 36 inches or so before – so it was a big decision."

Drake Nelson, Territory Market Development Manager for JM, has extensive knowledge and experience with Spiracoustic Plus. He recommended the product and then jumped in to help the Hamlin crew feel comfortable and confident.

"Our guys were apprehensive because of the size and were pushing for double-wall, but due to the weight and Drake's recommendation, we agreed to try [the Spiracoustic Plus]," Stegall said. "We asked Drake to come here and he spent a couple of days with our guys in the shop. He is a wealth of knowledge and an excellent resource, and he was easy to work with for our guys. He made it simple."

PRODUCT

Spiracoustic Plus® duct liner

LOCATION

The Grand at 81 Mary
Charleston, SC

MANUFACTURER

Hamlin Sheet Metal
Benson, North Carolina





After the Hamlin crew fabricated the ducts, contractor Cullum Mechanical performed the installation at The Grand at 81 Mary, a special events venue in Charleston. All the straight runs were done with Spiracoustic Plus. It's all exposed ductwork, painted to blend into the background, making Spiracoustic Plus an excellent choice.

Spiracoustic Plus is a spiral duct liner system engineered to provide superior acoustical and thermal performance for spiral air duct interiors – perfect for a project like this event venue. It is manufactured with evenly spaced kerfs to allow the material to conform to the inside diameter of spiral ducts, producing a finished airstream surface. The surface is coated with JM's proprietary Permacote® coating, which provides a durable surface and added product protection against microbial growth. Additionally, the exterior surface is laminated with a tough fire-resistant FSK facing.

Spiracoustic Plus is lighter than a double-walled system, making it simpler to handle, particularly at large sizes such as this. It is cost competitive when compared to alternatives as well.

The project required approximately 110 feet of 38-inch diameter duct, 140 feet of 50-inch diameter duct and 200 feet of 62-inch duct, hanging from wooden trusses.

"It really went smoothly after Drake helped us," Stegall said. "I asked the team if they were apprehensive of [using Spiracoustic Plus, and at this size] again in the future, and they said no. In the shop they recognized how much lighter it is. It went really well for us."

About the Manufacturer

Hamlin Sheet Metal Co., Inc., is a manufacturer of spiral round, flat oval and rectangular ducts, as well as welded longitudinal seam ducts. They serve everywhere east of the Mississippi River and employ approximately 60 people.

Hamlin Sheet Metal is part of the Hamlin Companies, which are headquartered in North Carolina. Hamlin provides commercial roofing installation, maintenance and repair, as well as duct manufacturing. Family owned and operated, Hamlin's current President is Will Hamlin, third generation.

For JM customer support or technical assistance, call 1-800-293-3393.



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