

Perry Fiberglass Products, Inc.

**LEADERS IN
FIBERGLASS
REINFORCED
PLASTIC
DUCT
PRODUCTS**

FEATURED INDUSTRIAL APPLICATION

Specifications

HVAC Class 1
Perry 20S Low Smoke™
Meeting requirements of UL-181 & UMC

Job Name

Emory University Research Lab
Atlanta, GA

Contractor

Davis Mechanical
Greenville, SC

Engineers

Rosser-Fabrap International
Atlanta, GA

Perry Solves the Problem of a Corrosive Fume Exhaust System that Requires Both Thermal Insulation and Color Coordination

The Research Lab at Emory University presented a unique set of challenges. Each floor on the interior of the building was exhausted from the laboratory hoods through an outside wall and then tied into the FRP header. The FRP header then passed through holes in the curtain wall. The FRP inner liner was made of a premium corrosion resistant resin with a resin rich surface to handle a wide variety of lab fumes. One inch of insulation encased the liner, providing insulation value of R-7. The outside shell was made resin rich and then gel coated the blue color selected by the architect. The color scheme was critical, since the duct will remain exposed from below and above and it had to match the curtain wall panels.

The field joints were of special design to preserve the integrity of the ID corrosion barrier as well as the insulation and the vapor barrier of the OD shell.



*Left: Duct installation during construction
Top Right: Close-up of round supply duct
Bottom Right: Finished project*

Perry Fiberglass Products, Inc.

is a leading manufacturer
of high quality fiberglass
reinforced plastic (FRP)
products for heating and
ventilation systems and
industrial exhaust.



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Whatever your need, you can count on Perry Fiberglass for
high quality duct backed by excellent service.