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Calhoun High School
315 S. River St. Calhoun, GA 30701

Project Type:

Exterior Masonry Block Wall Insulation/Air Barrier/Moisture Barrier

Total Square Footage:

190,000 + sqft

Equipment Used:

1 -Graco Integrated Reactor E-30i Spray Rig by Foametix
1-Graco Reactor E-30 Shore Power Spray Rig by Foametix

Dealer / Installer:

Green Earth Services - Lawrenceville, GA

Number of Personnel Required:

6 Total: 3 Spray Techs, 3 Helpers/Spotters

Number of Days Required:

220 Total working days, Over a year and a half from start to finish

Products Used:

Foametix FX-245 Closed Cell Spray Foam

Project Notes/Details:

Forgoing an exterior wall assembly consisting of concrete block masonry, ISO board, vapor barrier and brick masonry, the project's general contracting firm, RA-LIN and Associates, has opted to use spray foam insulation in place of the ISO insulation and vapor barrier, as SPF insulation inherently performs both functions.

Not only does the closed cell spray foam provide a seamless air and moisture barrier, it increases the overall efficiency of the construction process.

This spray foam application is considerably less labor-intensive than installing ISO board. A typical installation would require affixing the board to the block masonry, cutting around the brick ties, filling voids with mineral wool, and sealing the seams and holes with tape. With SPF insulation, the only step is applying the foam.

Having completed well over half a million sq ft of this type of application over the past couple of years, and with extensive experience in residential, commercial, and military applications under their belt, Green Earth Services began the application in Fall of 2012. "We are excited to have yet another successful application under our belt," said Scott Youmans, owner of Green Earth Services, the project's spray foam contractor. "We now have several other contracts for 2014 around the state of Georgia on similar project applications."

They sprayed an average of 1.5" of Foametix FX-245 2lb. closed cell foam over 190,000 sq. ft. of block masonry. Moreover, the spray application process was made even easier via a 40ft boom lift. Green Earth often utilizes the boom lift, or in some cases a scissor lift, to expedite their SPF applications. To prevent overspray concerns, all lifts are retro-fitted with a wind shield constructed of PVC and heavy mil polyethylene plastic.

The spray application is scheduled to be wrapped up in December 2013 and has gone so successfully that Southern A&E, the architecture and engineering design firm that specified the project, has specified Foametix closed cell foam for use in future projects. RA-LIN, which works closely with Southern A&E, has been very impressed with the results and will continue to take advantage of this application in the future. Both Foametix and Green Earth are excited and confident in this underutilized preference for SPF.



About Green Earth Services: Green Earth is a licensed Foametix dealer and applicator based out of Lawrenceville, Georgia who operates throughout the Southeast. For more information, call Scott Youmans at (770) 407-3626.

About Foametix: Foametix Spray Foam Insulation is a series of light density, polyurethane spray-applied foam insulation systems designed for residential and commercial/industrial building applications. Foametix superior insulation systems create an airtight barrier that conserves energy, blocks moisture, decreases noise and reduces the influx of outdoor pollutants and allergens. Foametix is energy smart insulation providing you with a healthier, more comfortable, more energy efficient indoor environment. Learn more at www.foametix.com.

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