

BUILDING SMART. BUILDING FOR THE FUTURE.

Environmental Impact with ECOMAXci® Wall Solution.

PROJECT PROFILE

LIBERTY WAREHOUSE - ECOMAXCI® WALL SOLUTION

ECOMAXci® Wall Solution eliminated the air barrier and gypsum, preventing the equivalent production of:

5,476,261 Plastic Straws or
418,187 Plastic Bags and
37,500 lbs of Gypsum

Sustainability and environmental impact estimates are based on materials per project sq. ft. of insulated coverage and modeling software (e.g. Athena).



PROJECT DESCRIPTION

Liberty Warehouse will be Durham's next iconic building and an anchor of the Central Park neighborhood. It was built in the 1940's and is the last of the large tobacco auction warehouses. This unique re-development will include 246 luxury rental apartments and 24,693 square-feet of retail space - across from the very popular Durham's Farmer's Market.

Rmax was involved in pre-construction meetings to assist with the installation of ECOMAXci® Wall Solution. With the help of our in-house Research and Building Science Engineer and field team, we provided guidance on the design of specialty window waterproofing using our Rmax R-SEAL 6000 flashing.

RMAX ECOMAXCI® WALL SOLUTION

With reinforced aluminum foil facers, ECOMAXci® FR Air Barrier offers enhanced durability, dimensional stability and greater radiant heat protection.

ECOMAXci® Wall Solution provides a ready-made answer to fire, air and water, in addition to thermally efficient continuous insulation.



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TAKE ACTION.

Emissions being put into the atmosphere are causing significant and harmful effects on our communities, our health and our climate. One step in reducing harmful emissions is by building with energy efficient materials.

In addition to material and labor savings, ECOMAXci® Wall Solution eliminated approximately 50% of the negative environmental impact on this project by removing the air barrier and exterior gypsum.

Just Think - How much more can be saved by using ECOMAXci® Wall Solution on every building?

ENVIRONMENTAL impact categories*

- 74% Less Ozone Depletion Potential
- 64% Less Eutrophication Potential
- 38% Less Acidification Potential
- 33% Less Smog Potential
- 28% Less Non-Renewable Energy
- 26% Less Global Warming Potential

*Sustainability and environmental impact estimates are based on materials per project sq. ft. of insulated coverage and modeling software (e.g. Athena).

WHY RMAX ECOMAXCI® WALL SOLUTION

With apartments above, ECOMAXci® Wall Solution was used to meet the continuous insulation requirements below because it is NFPA 285 approved and a continuous air, water and vapor barrier. This Wall Solution provides continuous insulation eliminating thermal bridging through the steel studs.

ARCHITECT

KTGY Architecture and Planning
www.ktgy.com

GENERAL CONTRACTOR

Clancy and Theys Construction Company
www.clancytheys.com

INSTALLER

Radosa/Boettcher Masonry

DISTRIBUTOR

Tucker Kirby

Location: Durham, North Carolina

Project Size: 15,000 sq. ft.

Insulation: 2" ECOMAXci® FR Air Barrier

Accessories Used: R-SEAL 6000

Project Timeline: February 2016 - May 2016



"As a commercial masonry foreman, I have worked extensively installing Rmax as well as other polyiso systems. Once our insulation installers had completed their work there was usually a lapse in time before our masons installed the veneer. With the other systems I was constantly finding myself having to monitor the vapor barrier, inspecting the seam tapes and having to fix fish mouths and puckers. With the ECOMAXci® Wall Solution including R-SEAL 6000 flashing, even with extensive time exposed to the elements, I found that the seams were still flat and providing a watertight seal. I have now taken an estimation position with a new company and I'm always trying to push the ECOMAXci® system over their competitors. My field experience has given me the utmost confidence in a system that when installed properly will not result in expensive call backs."

- Edgar Boettcher, Atlantic Coast Waterproofing



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