

PROJECT PROFILE

RMAX ECOMAXCI® WALL SOLUTION

Whitley of Wheeling
Wheeling, Illinois

BUILDING SMART. BUILDING FOR THE FUTURE.

Environmental Impact with ECOMAXci® Wall Solution.

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

5,607,691 Plastic Straws or

428,224 Plastic Bags and

38,400 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

The Whitley of Wheeling has 102 total beds located along Buffalo Creek in the center of Wheeling's rapidly expanding development sector. This institution offers possibilities for all potential residents with 68 assisted living beds and 34 memory care beds distributed across 2-bed, 1-bed, and studio rooms.

The memory care wings are located on the first level, along with a dining room, a library, and two separate living rooms that face the back. The assisted living residents are located on the upper two floors, which also feature a wellness center, workout, and PT/OT facilities, as well as two multipurpose rooms.

The facility's rear offers views of the nearby creek, a bike path next to resident usage gardens and maintained walking trails. The exterior is reminiscent of past prairie and crafts style homes attributed to its centrally located chimney stack, lower slope roofs with large overhangs, outside stone and brick facade, and appropriately fitted windows.

The Architect on this project, SAS Architects and Planners, used our ECOMAXci® Wall Solution over the entire building envelope, incorporating different claddings throughout. The Rmax in-house architect and field team worked with the SAS design team and installer Denk and Roche to ensure the ECOMAXci® Wall Solution would keep within their design need to complete this project smoothly and on time.



Rmax ECOMAXci® Wall Solution includes a thermally efficient continuous insulation board and Rmax branded tape and flashing. This solution has been tested in multiple NFPA 285 assemblies and is approved for use in exterior walls of buildings of any height.

Assembly: ECOMAXci® Wall Solution attached to steel studs with a masonry façade.

TAKE ACTION.

Emissions being put into the atmosphere are causing significant and harmful effects on our communities, health, and 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

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WHY RMAX ECOMAXCI® WALL SOLUTION

ECOMAXci® FR Air Barrier is installed continuously to reduce thermal bridging and block air and moisture. This wall solution is lightweight and easy to install, contributing to overall savings. Combined with Rmax R-SEAL tape and flashing, this solution has been tested to meet stringent fire code requirements and air and water barrier standards for the most effective, efficient building envelope design.

ARCHITECT

SAS Architects and Planners
www.sasarch.com

GENERAL CONTRACTOR

Lake Superior

INSTALLER

Denk and Roche
www.denkandroche.com

PROJECT TYPE

Assisted Living / Memory Support

LOCATION

Wheeling, Illinois

PROJECT SIZE

90,000 sq ft

RMAX PRODUCTS USED

ECOMAXci® Wall Solution
1.50" ECOMAXci® FR Air Barrier
R-SEAL 3000
R-SEAL 6000

PROJECT STATUS

Completed

