

# PROJECT PROFILE

## RMAX ECOMAXCI® WALL SOLUTION

The Nature Place - Reading, Pennsylvania

## 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 Nature Place is a brand-new preschool located in Reading, PA that takes sustainability, environmental friendliness, and the usage of its natural surrounding to the highest level. GWWO architects utilized a myriad of sustainable products to achieve this. A few examples include recycled wood siding, recycled stone for the exterior walls, bird-friendly glazing, and last but not least, Rmax's ECOMAXci® FR Air barrier system.

Rmax's ECOMAXci® FR Air Barrier system was installed directly to the steel studs, effectively eliminating the need for exterior gypsum and additional water-resistive barriers. The 1.5" thick polyiso insulation is installed continuously eliminating thermal bridging, increasing the overall thermal performance of the building, and effectively decreasing energy consumption.

*“Overall, the entire Construction Team is very satisfied with the product and the Representation that was provided. We look forward to using your product again and would also recommend it moving forward.”*  
- Gerry Keller Construction

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: Steel stud using Rmax ECOMAXci® FR Air Barrier with R-SEAL 2000 LF liquid flashing, thermally broken fasteners & R-SEAL 6000 flashing. Recycled wood siding/ recycled stone.



# 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**

\*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

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 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

GWWO Architects

### GENERAL CONTRACTOR

Burkey Construction

### INSTALLER

Gerry Keller Construction

### DISTRIBUTOR

Foundation Building Materials - Harrisburg

Location: Reading, PA.

Project Size: 9600 sq. ft.

Insulation: 1.5" ECOMAXci® FR Air Barrier

Accessories: Rmax R-SEAL 2000 LF and R-SEAL 6000

Timeline: November 2021 to January 2022 (polyiso install)



BUILDING TRUST

