

# PROJECT PROFILE

STANFORD RESEARCH PARK - ECOMAXCI® WALL SOLUTION

**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:**

**15,000,000 Plastic Straws or  
1,000,000 Plastic Bags and  
100,000 lbs of Gypsum**

Sustainability and environmental impact estimates are based on materials per 40,000 sq. ft. of insulated coverage and modeling software (e.g. Athena).



## PROJECT DESCRIPTION

STUDIOS Architecture's vision for the redevelopment of this site was a visible reflection of the modernization and revitalization of the Park.

The new 116,000 sq.ft. building is two stories above grade with a below grade parking garage, and is shaped into two architectural wings. The north wing of the building has a gently curving façade that directs visitors towards the main site entrance. A pedestrian-scaled arrival court extends into and through the main lobby, and into a central courtyard between the north and south wings.

A sustainable, high-performance building design was integral to the project. The orientation of the building was specifically planned to maximize daylight while reducing energy loads. Southern exposure glass is protected with sunshades and western glass is protected by exterior shades. High-performance glazing is provided throughout. Rmax's ECOMAXci® Wall Solution was utilized in this high-performance design not only as a barrier for thermal control, but also as an air and water resistive barrier. This system helped eliminate the need for exterior gypsum and an air barrier, and still met NFPA 285 fire code requirements.

## 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 40,000 sq. ft. of insulated coverage and modeling software (e.g. Athena).

## WHY RMAX POLYISO INSULATION

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 - all contributing to an overall savings. Combined with Rmax tape and flashing, this solution has been tested to meet stringent fire code requirements as well as air and water barrier standards for the most effective, efficient building envelope design.

### ARCHITECT

Studios Architecture  
[www.studios.com](http://www.studios.com)

### GENERAL CONTRACTOR

Devcon Construction, Inc.  
[www.devcon-const.com](http://www.devcon-const.com)  
Stanford University Real Estate



Location: Palo Alto, California

Project Size and Insulation: 1" ECOMAXci® FR Air Barrier

Project Timeline: Completion September 2014



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