

BUILDING SMART. BUILDING FOR THE FUTURE.

Environmental Impact with ECOMAXci® Wall Solution.

PROJECT PROFILE

HUMBOLDT HOSPITAL - ECOMAXci® WALL SOLUTION & TSX-8510

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

13,508,111 Plastic Straws or

1,031,528 Plastic Bags and

92,500 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

The Humboldt General Hospital expansion project includes a new memory care facility, centralized rural clinic space and expansions to the OB, ER and OR departments. It was designed and built to be a showcase for safety, innovation and contribution to the medical care community, construction quality and craftsmanship, and for its functionality of design and aesthetic quality.

Typically on these types of projects, an architect draws up the plans and the construction begins. On the expansion to Humboldt General, the hospital staff worked closely with the architect to bring their ideas and needs to the table, which brought a lot of innovation to the design phase.

CTA Architects designed the project to be a model of energy efficient design with regard to heating and cooling, as well as insulation, air and moisture barrier construction technology. Gale Building Products collaborated with Rmax to find a way to meet these needs.

The ECOMAXci® Wall Solution attached directly to the framing members helped the team at Gale to achieve a full thermal insulation barrier that performed as an air and water resistive barrier. This assembly met the desired energy efficiency requirements without exterior gypsum or additional water resistive barriers.

RMAX ECOMAXCI® WALL SOLUTION & TSX-8510

With reinforced aluminum foil facers, ECOMAXci® FR Air Barrier and TSX-8510 offer 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 POLYISO INSULATION

Both ECOMAXci® FR Air Barrier and TSX-8510 are installed continuously to reduce thermal bridging and block air and moisture. TSX-8510 is designed to be left exposed without a thermal barrier to provide an attractive finish. Both products are lightweight and easy to install - all contributing to an overall savings.

Combined with Rmax tape and flashing, the ECOMAXci® Wall Solution has been tested to meet stringent fire code requirements as well as air and water barrier standards for the most effective,



ARCHITECT

CTA Architects Engineers
www.ctagroup.com

GENERAL CONTRACTOR

Sletten Construction of NV, Inc.

INSTALLER

Gale Building Products

DISTRIBUTOR

Service Partners Supply

Location: Winnemucca, Nevada

Project Size and Insulation: 37,000' - 2" ECOMAXci® FR Air Barrier
36,000' - 3" TSX-8510

Project Timeline: Completed Early 2016



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