

Parex Continuous Insulation (CI)



About Parex

Parex is North America's leading brand in Continuous Insulation (CI). As a pillar in the industry, Parex has been instrumental in contributing to the advancement of CI systems and has developed many technological breakthroughs that we use today. We take pride in delivering the best products in the market and continuously look for ways to innovate.

Why Parex CI?

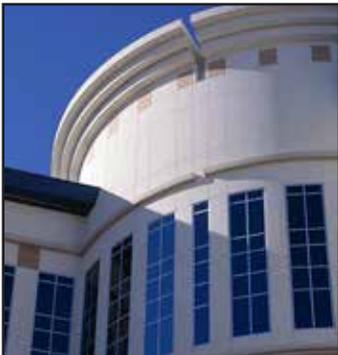
Energy costs are increasing and are expected to do so for the foreseeable future. Building codes are quickly evolving to meet the challenge of the new energy environment. You can trust that Parex CI solutions will help you meet and exceed the regulatory requirements for energy that the building industry faces today.

Unlimited Design

You don't have to sacrifice aesthetics to benefit from all of Parex CI functionality. Quite simply, Parex CI systems are the most versatile exterior cladding on the market. With a range of dirt resistant and performance options, Parex CI systems offer the ability to mimic the look of virtually any exterior cladding. An unlimited range of textures, colors and shapes allows multiple designs utilizing the same exterior cladding.

Shapes

Parex CI systems can be shaped to mimic any number of any other building materials. Allowing the designer to incorporate design elements that would otherwise require expensive structural additions or be cost prohibitive to incorporate. If you can imagine the shape Parex CI solutions can bring it to life.



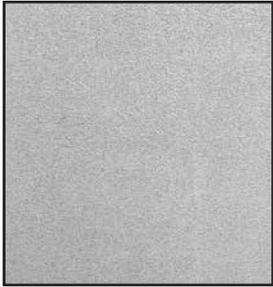
Color

All Parex CI system finishes are tintable with a nearly unlimited number of colors. Keep your building beautiful longer with the ParexUSA ColorFast System of pigments that delivers superior fade resistance and color hide. See ParexUSA's Color Collection for inspiration on color combinations.

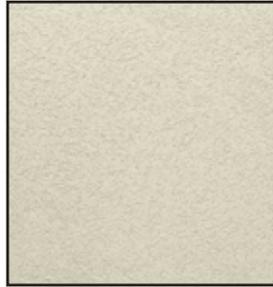


Texture

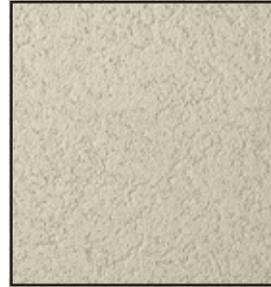
Parex offers a range of texture options to meet the needs of any project. From smooth to coarse textures Parex can deliver the look required. Each finish is durable and offers dirt pick up resistance (DPR).



Smooth



Sand Fine



Sand Coarse



Swirl Fine

Specialty Finishes

When a project requires a truly unique aesthetic consider Variance™ finish options. With options such as metallic coatings, metallic finishes and old world looks, ParexUSA can provide the design options you need, whether bold or traditional.



Alto



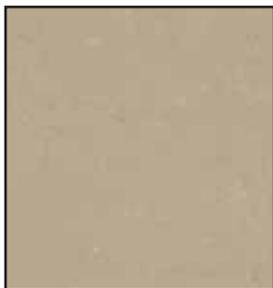
Anciano



Brio



Omniccoat



Tierra



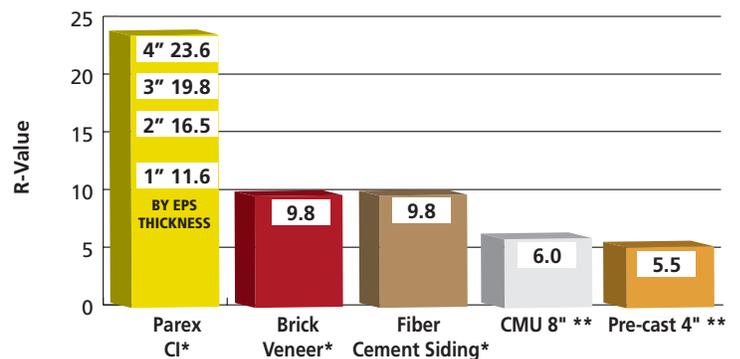
Tuscan Stucco

Superior Energy Efficiency

Simply defined, an R-value quantifies how hard it is for energy to move through a wall assembly. The higher the R-value, the more resistance there is to energy movement through the wall. The less your building's HVAC system has to work, the more energy and money you save.

The Department of Energy's Oak Ridge National Laboratory tests prove that CI systems have superior R-values in relation to other leading cladding options. When it comes to considering how an exterior cladding can impact your building's operating cost, Parex CI solutions are the smart choice!

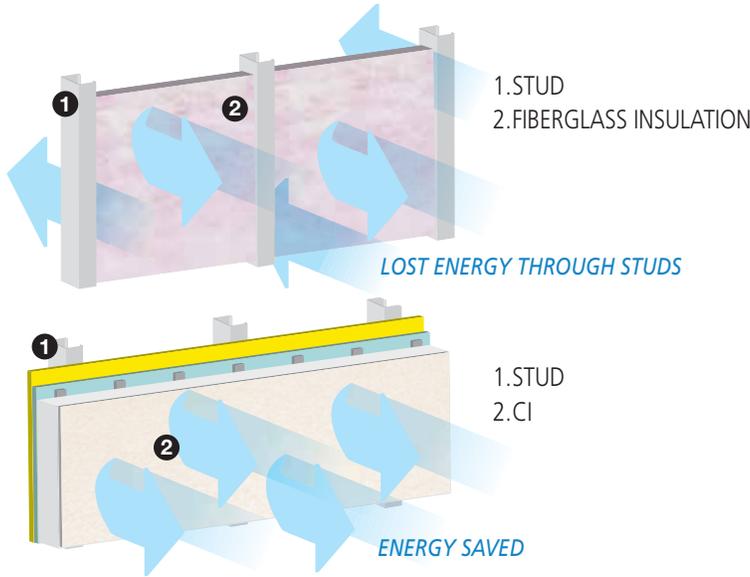
Comparative Nominal R-Values of Wall Assemblies



* Includes R-11 stud cavity batts, 1/2" sheathing and wallboard.
 ** Includes 3/4" XPS and 1/2" wallboard.

Source: ASHRAE Handbook of Fundamentals

Fewer Thermal Breaks



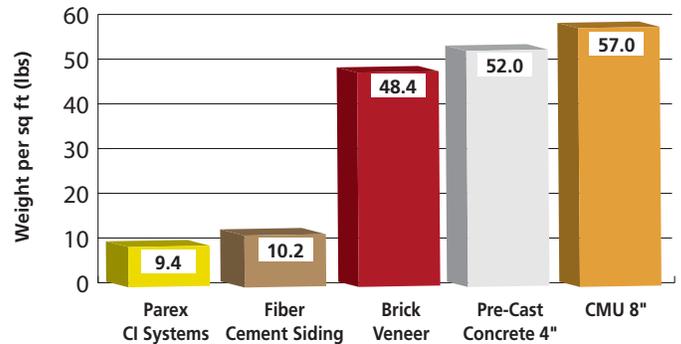
When CI solutions are used on the outside of the building, studs do not break the continuity of the insulation. In essence, the building is covered by a blanket of insulation. This is a key advantage over other types of cladding. Thermal breaks caused by studs provide opportunities for energy flow in and out of the building. Climate controlled air escapes and uncontrolled air invades the building, requiring the HVAC system to work harder to maintain the desired air temperature, therefore costing you money.

Lightweight

Parex CI systems are a high value exterior cladding. These lightweight systems provide an opportunity to reduce investment in structural components that may be required for heavier cladding alternatives, thus lowering building costs.

When Parex CI solutions are paired with ParexUSA Masonry Veneer Systems, the design potential is even greater. Contact your Parex Sales Representative to learn more about how MVS can help you reduce structural components from your wall assembly, improve your building's energy efficiency and all with real brick and stone.

Comparative Weights of Wall Assemblies



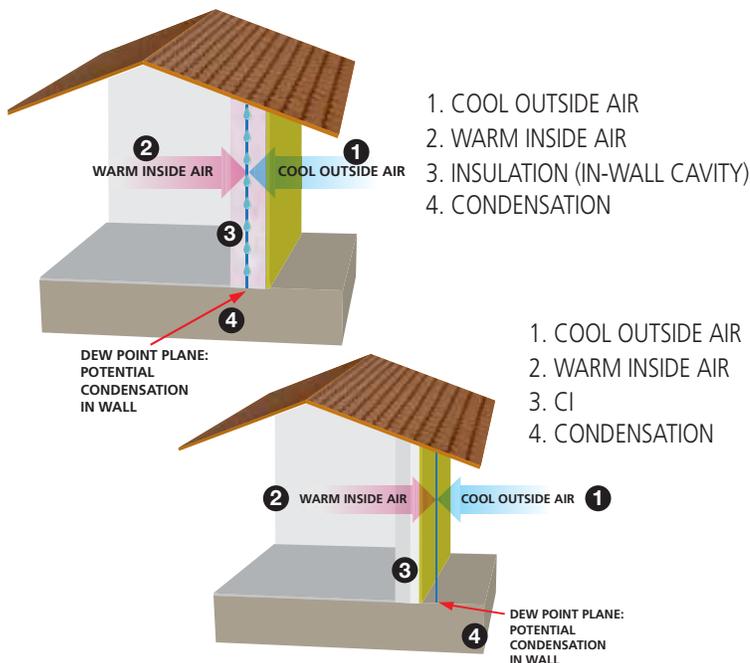
"Concrete Masonry Handbook for Architects, Engineers, Builders" PCA Portland Cement Assoc.
 "Architect's Handbook of Formulas, Tables, and Mathematical Calculations" David Kent Ballast
 "Architectural Graphics Standards" 8th Edition The American Institute of Architects
 "2003 & 2009 ASHRAE Handbook Fundamentals" Inch-Pound Edition American Society of Heating and Air-Conditioning Engineers, Inc.

Low Maintenance

Parex CI systems use the highest quality raw materials. Our commitment to quality ensures that the materials on your building will perform as designed for a long time. Parex CI systems features acrylic polymers with special dirt resistant surface toughness in its finishes. This and mildew and algae resistance additives approved by the Environmental Protection Agency limit the impact that dirt, mildew, mold and other pollutants can have on your Parex finish, ensuring that the aesthetic appeal of your building stands up to the elements.

Parex CI systems are easily cleaned with a low power pressure washer and mild detergent. This simple maintenance step increases the life of the CI system while refreshing the beauty of your building. When the time comes to change your building's appearance, consider ParexUSA coatings. These coatings are designed to work with Parex CI systems and nearly all types of exterior claddings. Formulated with the same dirt resistance, durability and color fade resistance as finishes, these coatings refresh the look of any building and return it to a new construction appearance.

Dew Point



When warm air meets a cold surface, it can result in condensation. This is commonly seen on the outside on the glass of a cold beverage. The location where the condensation occurs is called the dew point. While not a serious issue on a drinking glass, this same phenomenon becomes problematic when it occurs inside your wall assembly. Traditional claddings can lead to condensation inside the wall cavity, potentially causing deterioration and damage. Parex CI systems can reduce the risk of a dew point inside the wall cavity. Moving the insulation to the outside of the building keeps surfaces inside the wall cavity warm, preventing condensation.

Superior Water and Air Barrier Protection

WaterMaster Systems

ParexUSA WeatherTech WRBs is a family of high performance water-resistive barriers, air barriers, vapor retarders and waterproofing products. When used in conjunction with properly installed substrates, WeatherTech products provide a superior level of moisture protection for any structure. Our membranes are available with various levels of permeance and installation options. WeatherTech WRBs are a full line of water-resistive barriers and air barriers to seal the building envelope, protect structural components, and promote healthier indoor air quality. Water-resistive barriers have one primary function: to keep incidental moisture from penetrating into structural components and the wall assembly interior. Preventing moisture intrusion is extremely important, as moisture-sensitive building materials often consisting of gypsum, wood or light gage metal can become severely compromised.

WaterMaster features incorporate a suitable WeatherTech membrane for the project design and offer the best performance as both an air barrier and primary moisture protection.

ParexUSA Weather Tech WRBs have passed rigorous testing and hold the following code approvals: ICC ESR-2045, IBC Section 1408.4.1.1, IRC Section R703.9.2.1 and are ABAA Evaluated.

OPTIONS INCLUDE:

Permeable Air & Moisture Barrier Membranes

- WeatherSeal Spray & Roll-On
- WeatherSeal SB

Class III – Semi-Permeable Air & Moisture Barrier Membranes

- WeatherSeal Trowel-On without gauging aggregate
- WeatherSeal Trowel-On with gauging aggregate

Class II – Vapor Retarder Membrane

- WeatherDry

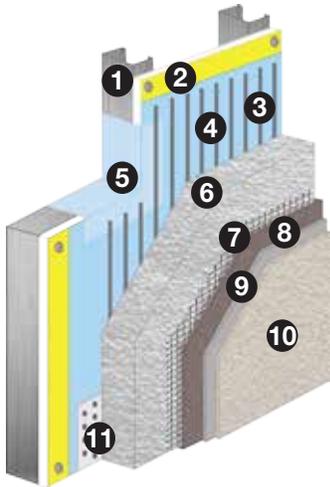
Class I – Vapor Barrier Membranes

- WeatherBlock
- WeatherSeal BG

Joint Treatment & Flashing

- Weatherflash OR selected WeatherTech WRBs membrane
- 396 Sheathing Tape or 365 Flashing Membrane

Parex CI Systems



1. FRAME
2. SHEATHING
3. WEATHERSEAL
4. ANY PAREX 121 BASE COAT & ADHESIVE
5. 396 SHEATHING TAPE
6. INSULATION
7. ANY PAREX 121 BASE COAT & ADHESIVE
8. REINFORCING MESH
9. PAREXUSA PRIMER (OPTIONAL)
10. FINISH
11. 369 DRAINEDGE

These drawings are for illustrative purposes only and are not a substitute for Parex specifications and detail drawings.

Parex Drainage CI Systems

These systems incorporate vertical ribbons of adhesive to provide an optimal drainage plane. In addition to the vertical ribbons, these systems use the appropriate ParexUSA WeatherTech WRB solutions to protect against incidental moisture and act as an air barrier. The air barrier boosts the already energy efficient CI system by eliminating unintentional air flow.

XPS

- ParexUSA offers the ability to incorporate high performance XPS insulation. Traditionally, XPS required the use of mechanical fasteners, but when purchased through ParexUSA, XPS can be adhesively attached as a component of a CI system, similar to EPS.
- XPS insulation offers a higher R-value than EPS.

	Finish	Base	Insulation	Drainage
AquaSol WaterMaster XPS	Best	Best	XPS	Yes
Optimum WaterMaster XPS	Better	Best	XPS	Yes
Standard WaterMaster XPS	Good	Good	XPS	Yes
AquaSol WaterMaster	Best	Best	EPS	Yes
Optimum WaterMaster	Better	Best	EPS	Yes
Standard WaterMaster	Good	Good	EPS	Yes

PAREXUSA

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