

## LaHabra EIFS Offering

Whether building a structure or renovating, LaHabra EIFS provide economical, energy efficient systems.

LaHabra offers three types of high performance EIFS to provide the best in both price and performance:

- Insul-Flex Standard
- Insul-Flex WaterMaster
- Insul-Flex WaterMaster LCR

The two WaterMaster options provide the additional benefits of moisture management.

*"We offer three types of high-performance EIFS..."*

### Insul-Flex Standard

A classic EIFS system that provides superior thermal insulation and design flexibility.

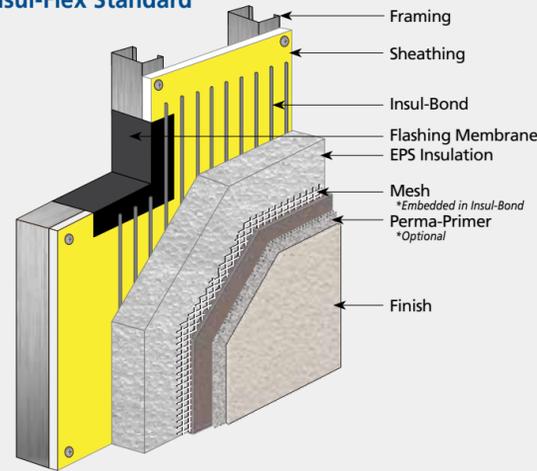
### Insul-Flex WaterMaster

Our best drainage EIFS incorporates vertical ribbons of adhesive to provide an optimal drainage plane. In addition to the vertical ribbons, this system makes use of our WeatherSeal liquid applied water-resistant barrier. It provides protection against incidental moisture and acts as an air barrier. The air barrier takes the already energy efficient EIFS and gives it a boost by limiting air flow while remaining vapor permeable.

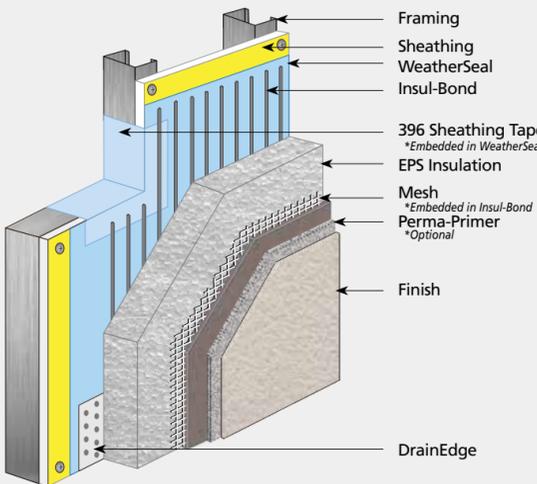
### Insul-Flex WaterMaster LCR (Light Commercial Residential)

A drainage EIFS for wood-framed light commercial and residential construction. Using many of the same components of our Insul-Flex WaterMaster, the Insul-Flex WaterMaster LCR is mechanically fastened and makes use of "Stucco Wrap" to provide the secondary water-resistive barrier and a means of drainage for incidental moisture.

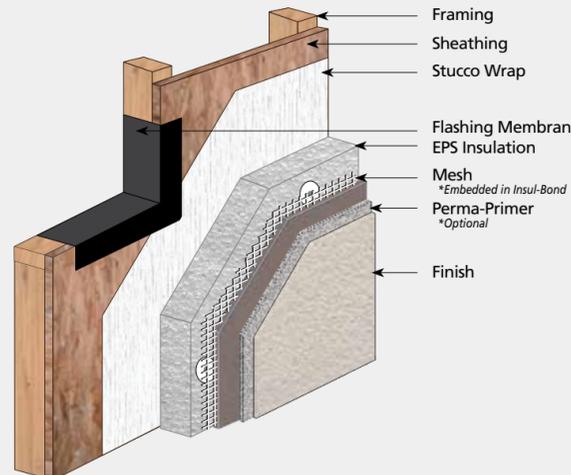
### Insul-Flex Standard



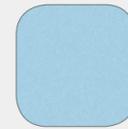
### Insul-Flex WaterMaster



### Insul-Flex WaterMaster LCR



## LaHabra EIFS Materials



#### WATER-RESISTANT BARRIER

**WeatherSeal:** The industry leading waterproof membrane for use as a water-resistive & air barrier used in the LaHabra Insul-Flex WaterMaster system. Parex USA WeatherSeal is easier to apply and allows applicators to be more efficient when using WeatherSeal or other roll-on barriers because one product treats both the field and board joints.



#### EPS INSULATION

**Insulation:** Made of Expanded Polystyrene (EPS) insulation board, required on all LaHabra EIFS, provides excellent thermal protection. Made under third party quality control.



#### BASE COAT & ADHESIVE

**Insul-Bond Wet and Insul-Bond Dry:** A factory controlled blend of proprietary raw materials. Insul-Bond Wet and Insul-Bond Dry are used as both an EPS adhesive (for approved substrates) and as a base coat to embed mesh. Insul-Bond Wet is packaged in a pail and requires the addition of portland cement. Insul-Bond Dry is packaged in a bag and requires only water to be added.



#### FIBERGLASS MESH

**Reinforcing Mesh:** Fiberglass mesh is alkali resistant and is embedded in Insul-Bond base coat to provide strength and flexibility. Mesh is available in varying weights to provide different levels of impact resistance.



#### PRIMER (OPTIONAL)

**Perma-Primer:** A tintable acrylic primer that can be applied by roller or sprayer. Use primer to improve the handling, texturing, and coverage of finish.



#### FINISH

**Perma-Finish EIFS & Stucco Finish:** LaHabra offers a number of finish options for your LaHabra EIFS in standard and nearly unlimited range of custom colors.

- Perma-Finish is an integrally colored acrylic finish available in 4 textures: Smooth, Fine, Swirl and Coarse.

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# LaHabra®



## Exterior Insulation Finish Systems

**PAREXUSA**

## About LaHabra

Since 1926 – LaHabra has become the brand you can depend on for quality stucco & EIFS products. Today, LaHabra continues to set new standards for product quality, consistency, reliability and service. LaHabra is a stucco & EIFS industry leader in North America. As a pillar in the Facade industry LaHabra has been instrumental in contributing to the advancement of stucco & EIFS and has developed many technological breakthroughs that are still in use today. LaHabra EIF Systems meet 2009 IBC and IRC Building Code requirements.



## Why LaHabra EIFS?

### Superior Energy Performance

LaHabra EIFS are preferred over other claddings due to their superior energy efficiency. By insulating the outside of the structure, EIFS reduce air infiltration, stabilize the interior environment and reduce energy consumption. This continuous insulation provides superior R-Value and greater energy savings. Systems without continuous insulation allow heat and cold to pass more freely through them.



### Versatile Design

EIFS provide superior design flexibility and aesthetic appeal at an affordable price due to their nearly unlimited range of colors, wide variety of textures, and ability to conform into most any architectural detailing, shape or design. EIFS allow applicators to effectively mimic the look of virtually any exterior cladding. LaHabra EIFS are the most versatile exterior cladding on the market today.

### Low Maintenance and Long-Term Durability

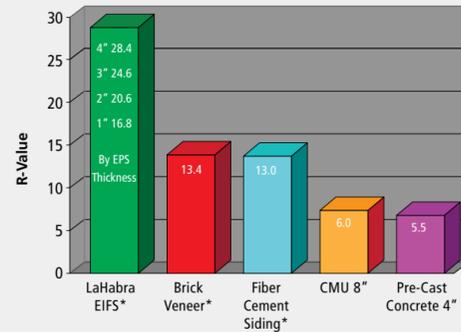
Because LaHabra EIFS use advanced 100% acrylic polymers with Environmental Protection Agency approved dirt pick-up resistant technology additives in its finishes, they are designed to limit mildew, mold and the effect of long-term fading, peeling and the accumulation of dirt and other pollutants. Little maintenance is required to increase the life of EIFS and to refresh their aesthetics. LaHabra EIFS are easily cleaned with a low power pressure washer and mild detergent.

## Superior R-Value

EIFS add to the “R-Value” of a home or building wall. R-Value is a measurement of the resistance to heat flow; the higher the R-Value, the better the material’s insulating value.

The Department of Energy’s Oak Ridge National Laboratory tests prove that EIFS has superior R-Value in relation to other leading cladding options. When it comes to considering how an exterior cladding can impact a buildings operating cost, LaHabra EIFS 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



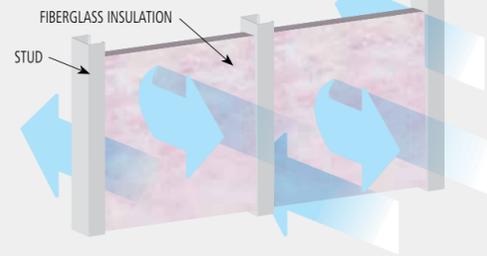
# The Advantages of LaHabra EIFS

## No Thermal Breaks

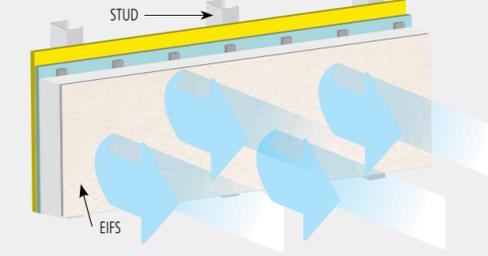
When EIFS is used on the outside of the building, studs do not break the continuity of the insulation. This type of outside insulation acts as a “blanket of continuous insulation” wrapped around the exterior of the building or home. Thermal breaks caused by studs provide an

opportunity for energy to flow in and out of the building. Climate controlled air escapes and uncontrolled air invades the building, requiring the building’s HVAC system to use more energy to maintain the desired temperature.

### Lost Energy Through Studs



### Energy Saved



*“What is the Insulation Value of Your Building?”*

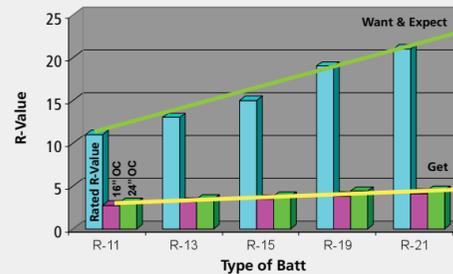
## Framing

In a typical framed wall with only cavity insulation, over 25% of the wall area is uninsulated framing, forming a large thermal short. By installing foam insulation sheathing

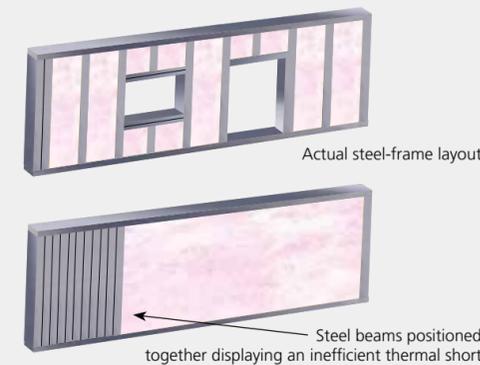
over the studs, a full insulation ‘envelope’ provides energy efficiency as well as a moisture barrier for the wall system - something structural panels are unable to provide.

### Effect on Steel-Framed Wall

“R-Value” of Batts @ 16” & 24”



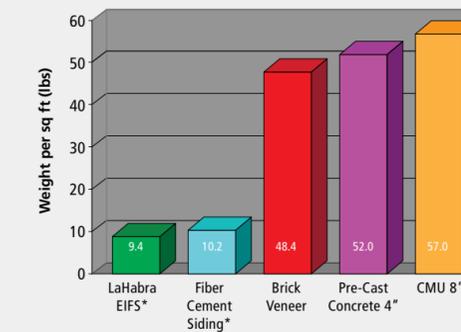
Sources: Joint Appendix JA4 Table 4.3.3; ASHRAE Handbook of Fundamentals



## Light Weight

LaHabra EIFS are a high value exterior cladding. These light weight systems provide an opportunity to reduce costs associated with structural components that may be required for heavier cladding alternatives, thus lowering building costs.

### Comparative Weights of Wall Assemblies



## Superior Water and Air Barrier Protection

### WeatherSeal Water and Air Resistive Barriers

WeatherSeal is a liquid applied water-resistive barrier that bonds directly to the substrate to resist air and water penetration. Use of WeatherSeal is required when using LaHabra’s Insul-Flex WaterMaster drainage EIFS. A liquid applied water-resistive and air barrier provides a structure with a durable, seamless moisture barrier resulting in superior drainage protection. As a liquid applied barrier, there is no risk for rips or tears which can significantly compromise the effectiveness of typical building papers.

WeatherSeal acts as an air barrier by bridging areas where energy can be lost in a structure due to the escape and intrusion of air. Decreased levels of energy required to maintain a desired temperature saves money. The U.S. Department of Energy estimates that uncontrolled air leakage can account for 30% or more of a buildings energy losses. As a water vapor permeable air barrier, WeatherSeal reduces the unintentional flow of air, while still allowing vapor to escape and avoid being trapped inside the wall cavity.

## Moisture Management

LaHabra EIFS protect your building from moisture by providing a barrier of finish, base coat, and EPS Insulation. If additional protection is required, LaHabra offers the latest in drainage EIFS. If incidental moisture were to make it through the initial barrier it would drain from behind the system through vertical channels of adhesive. Additionally, these systems include WeatherSeal to offer a secondary moisture barrier.

In summary, LaHabra’s EIFS provide a superior insulation and protection from moisture, are easily installed and reduce both labor and energy costs for any buildings wall system.

