

# THERMOCROMEX vs EIFS

<i>Weatherproofing</i>	At 3/8 inch, Thermocromex naturally weatherproofs the building without the use of any additional moisture barriers.	EIFS is an exterior finish that relies on a perfect barrier system to keep water out. There are so many entry points for water to enter that this is an unrealistic expectation. All caulk joints will eventually fail.
<i>Vapor Permeability</i>	Very breathable with a perm rating of 84 allowing any incidental moisture to breathe and dry out.	Traps moisture in the building envelope creating building component degradation, mold/mildew and lawsuits.
<i>Abuse Resistance</i>	Very abuse resistant and per ASTM D2794 it took 140 lbs of impact in a 1 inch square area before showing any marks.	Easily damaged due to storms, birds, ants or pedestrian traffic. If a thicker mesh is used it reduces the elasticity of the system creating more cracking.
<i>Patchability</i>	Most textures are easily patched and the use of non-fading pigments allows for future color matching.	Extremely difficult to patch and patches are very noticeable.
<i>Cracking</i>	When applied properly, Thermocromex will not crack and the product's life expectancy exceeds 1,000 years.	Mesh is used to promote more microcracking rather than fewer larger cracks. Deteriorates in an alkaline environment. All EIFS lamina cracks over time and the only difference is length of time and the climate zone.
<i>Buildability</i>	Pre-mixed bag product and QSP program allows for easy application and single source responsibility.	To perform properly, EIFS requires perfect materials and perfect workmanship amongst multiple trades. The current check list used by current inspectors is over 30 items.
<i>LEED</i>	Potential of 44 points in 9 categories. No chemical additives and no impurities.	Every EIFS installation includes rasping of the foam board allowing thousands of pieces of foam to enter into the environment. Foam pieces are not bio-degradable for hundreds if not thousands of years.
<i>Termites</i>	No effect	Usually undetectable and the foam is easy to tunnel into allowing easy access into the building.
<i>Smoke</i>	Class A - 0	Class D - 400-450
<i>Design Capabilities</i>	Able to duplicate the look of natural stone, precast stone, precast concrete with multiple colors and tonal variation. Unlimited textures from very smooth honed finishes to rough split face textures.	Limited to single colors and medium to rough textures
<i>Warranty</i>	20 year performance based material warranty which is the best in the industry.	5 to 10 years and covers blisters and chipping. Not performance based.