



TITLE 24 WALL SYSTEMS

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The new Residential Energy Code passed by the California Energy Commission (CEC) became effective on July 1, 2014. Now all single-family wood framed tract housing must perform at or above the following Standard using Continuous Insulation (CI):

- When using 2 x 4 wood studs and R-13 batts (cavity insulation), then R-5 CI is required (either 1.5" EPS or 1" XP foam extruded)
- When using 2 x 4 wood studs and R-15 batts (cavity insulation), then R-4 CI is required (this is a harder to find non-standard batt and more expensive)

CI is now a part of the prescriptive requirement in all climate zones, and therefore the standard design for performance-based compliance.

Changes significantly impact coastal areas because those coastal zones were not required to add wall insulation during the last code cycle. With each 3 year code cycle the standard will only become more stringent.

Merlex Stucco offers a product to help meet Title 24 energy efficiency building standards. Merlex Stucco offers **Insulex**, a continuous insulation one-coat stucco system factory mixed with:

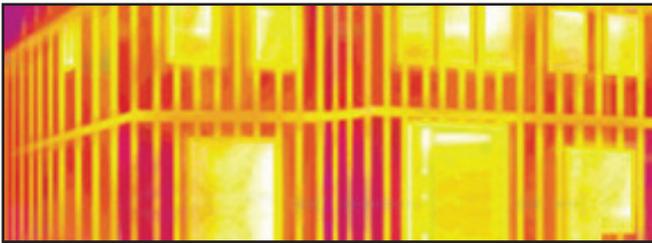
- Fibers for strength, sag-resistance
- Water reducers for crack-resistance
- Plasticizers for workability
- Finish coat can be cement or acrylic stucco
- Finish applied after 48 hours moist curing



Continuous Insulation (CI) is the only way to block thermal bridging. Wrapping the exterior wall in a continuous layer of rigid foam protects the cavity and the stud, providing high R-value in several ways:

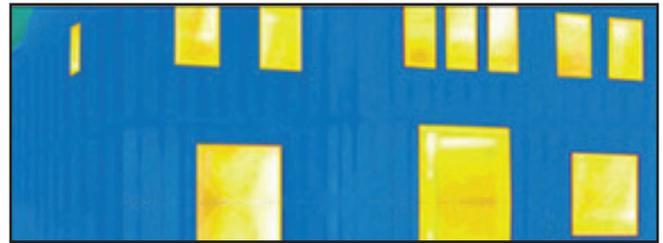
- Insulation between studs provides 4" of insulation in the wall
- Continuous Insulation outside the studs provides an additional 1" or more of insulation value AND reduces heat loss through the studs
- The result is lower heating and cooling costs and enhanced interior comfort with the look of stucco in a proven system certified by ICC to perform like 3-coat stucco

Cavity insulation alone allows thermal bridging.



Before Continuous Insulation

Adding exterior continuous insulation prevents heat flow through framing.



After Continuous Insulation

Whether commercial or residential, building experts agree CI serves as the best practice for limiting thermal bridging.

For more detailed technical data, please visit our website, www.merlex.com.



MAIN PLANT

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WAREHOUSE LOCATIONS

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