



City of Chino
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LOW-RISE BUILDINGS ADDITIONS AND ALTERATIONS IN EXISTING LOW-RISE RESIDENTIAL PRESCRIPTIVE COMPLIANCE OF 2025 CALIFORNIA ENERGY STANDARDS CLIMATE ZONE 10.

| | | | | | |
|--|------------------------------|------------------------|--------|--|-----------|
| Insulation | Roofs / Ceilings | | | U 0.031 | or lower |
| | | | | R 38 | or higher |
| | Walls | Above Grade | Framed | U 0.048 | or lower |
| | | | 2x4 | R - 15 | or higher |
| | | | 2x6 | R - 21 | |
| | Floors | Slab Perimeter | | NR | |
| | | Raised | | U 0.037 | or lower |
| | | | | R 19 | or higher |
| | | Concrete Raised | | U 0.269 | or lower |
| | | | R 0 | or higher | |
| Radiant Barrier | | | REQ | | |
| Roofing Products minimum aged solar reflectance of 0.20 and a minimum thermal emittance of 0.75, or a minimum SRI of 16. minimum SRI of 16. | Low – sloped 2:12 or less | Aged Solar Reflectance | .20 | 50% or more; See exceptions 150.2(b)1 | |
| | | Thermal Emittance | .75 | 50% or more; See exceptions 150.2 (b)1 | |
| | Steep-sloped 2:12 or greater | Aged Solar Reflectance | 0.20 | 50% or more; See exceptions 150.2(b)1 | |
| | | Thermal Emittance | 0.75 | 50% or more; See exceptions 150.2(b)1iia & 150.2(b)1iiab | |

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| Fenestration | Maximum U factor | 0.30 | or lower |
| | Maximum SHGC | 0.23 | or lower |
| | Maximum Total Area of Condition Floor Area | 20% | or lower <400 SF 75 SF max or 30%, >400 sf - <700 120 SF max or 25%, >700 and >1,000 SF 175 SF or 20% |
| | Maximum West Facing Area | 5% | or lower Exception <400 SF 60SF Max, >400 sf - <700 60 SF max, >700 and >1,000 SF 70 |
| Space Heating Non-weatherized gas central furnaces with single phase electrical supply | If gas, AFUE | MIN | Central furnace: < 225,000 k BTU 80% AFUE or higher |
| | If Heat Pump, HSPF | MIN | Split: <65 k BTU 7.5 HSPF Packaged: <65 k BTU 3.3 HSPF or higher |
| Space Cooling Central air conditioner or central air source heat pump | SEER | MIN | Split system <65k BTU 14.3 SEER Single Package <65k BTU 13.4 |
| | Refrigerant Charge Verification or Charge Indicator Display | REQ | |
| | Whole House Fan >1,000 SF | REQ | |
| Ducts | Duct Insulation | R - 8 | or higher |
| Water Heating | Residential Gas Fired | 80% Thermal Efficiency Storage unit - .69 efficiency Instant Unit - .93 efficiency Water heater size (Table 5-4 California plumbing Code) | |