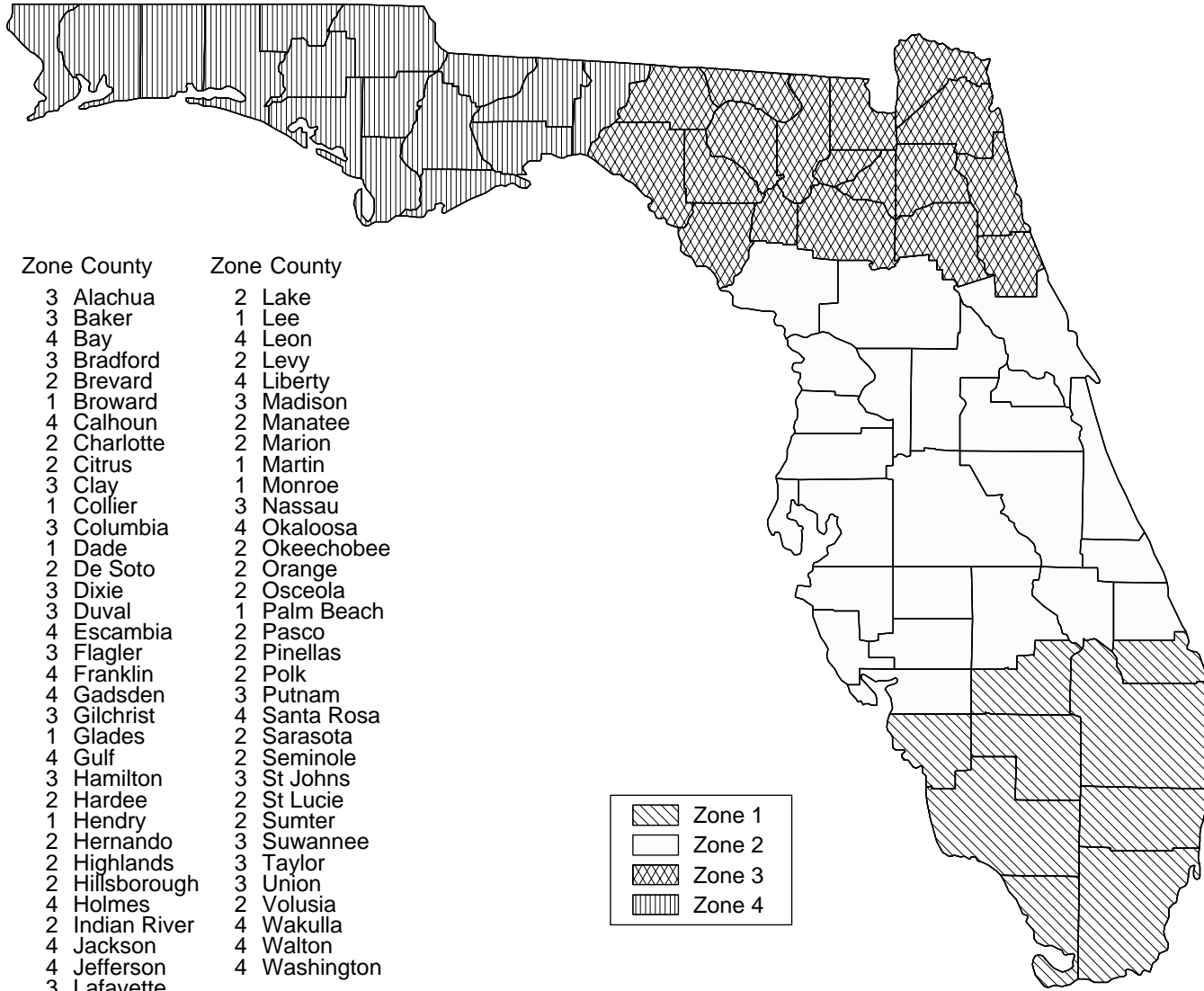


FLORIDA



NOTE: All of Florida is exempt from the vapor retarder requirement

Zone 1 Single-Family Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 15% | any | R-13 | R-11 | R-11 | R-0 | R-0 | Normal |
| 2 | 18% | 0.90 | R-19 | R-13 | R-11 | R-0 | R-0 | Normal |
| 3 | 18% | 0.75 | R-13 | R-11 | R-11 | R-0 | R-0 | Normal |
| 4 | 20% | 0.80 | R-19 | R-11 | R-11 | R-0 | R-0 | Normal |
| 5 | 25% | 0.70 | R-30 | R-11 | R-11 | R-0 | R-0 | Normal |
| 6 | 25% | 0.65 | R-19 | R-11 | R-11 | R-0 | R-0 | Normal |
| 7 | 25% | any | R-11 | R-11 | R-11 | R-0 | R-0 | High Cooling |

Zone 2 Single-Family Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 12% | any | R-19 | R-11 | R-11 | R-0 | R-4 | Normal |
| 2 | 15% | any | R-38 | R-13 | R-11 | R-0 | R-5 | Normal |
| 3 | 15% | 0.90 | R-19 | R-11 | R-11 | R-0 | R-4 | Normal |
| 4 | 15% | 0.75 | R-13 | R-11 | R-11 | R-0 | R-4 | Normal |
| 5 | 18% | 0.75 | R-19 | R-11 | R-11 | R-0 | R-4 | Normal |
| 6 | 18% | 0.65 | R-13 | R-11 | R-11 | R-0 | R-4 | Normal |
| 7 | 20% | 0.75 | R-30 | R-13 | R-11 | R-0 | R-4 | Normal |
| 8 | 25% | 0.65 | R-30 | R-13 | R-11 | R-0 | R-4 | Normal |
| 9 | 25% | 0.55 | R-19 | R-11 | R-11 | R-0 | R-4 | Normal |
| 10 | 18% | any | R-13 | R-11 | R-11 | R-0 | R-5 | High Cooling |
| 11 | 25% | 0.90 | R-30 | R-11 | R-11 | R-0 | R-5 | High Cooling |
| 12 | 25% | any | R-19 | R-11 | R-11 | R-0 | R-6 | High Heat/Cool |

Zone 3 Single-Family Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 8% | any | R-19 | R-11 | R-11 | R-0 | R-5 | Normal |
| 2 | 12% | any | R-30 | R-11 | R-11 | R-0 | R-5 | Normal |
| 3 | 12% | 0.75 | R-13 | R-11 | R-11 | R-0 | R-4 | Normal |
| 4 | 15% | 0.90 | R-30 | R-13 | R-11 | R-0 | R-5 | Normal |
| 5 | 15% | 0.75 | R-19 | R-11 | R-11 | R-0 | R-5 | Normal |
| 6 | 18% | 0.75 | R-26 | R-11 | R-13 | R-2 | R-6 | Normal |
| 7 | 18% | 0.70 | R-26 | R-13 | R-11 | R-0 | R-5 | Normal |
| 8 | 18% | 0.65 | R-19 | R-11 | R-11 | R-0 | R-5 | Normal |
| 9 | 20% | 0.70 | R-30 | R-13 | R-11 | R-0 | R-5 | Normal |
| 10 | 25% | 0.60 | R-30 | R-13 | R-13 | R-2 | R-6 | Normal |
| 11 | 25% | 0.55 | R-26 | R-13 | R-11 | R-0 | R-5 | Normal |
| 12 | 12% | any | R-13 | R-11 | R-11 | R-0 | R-5 | High Cooling |
| 13 | 15% | any | R-26 | R-11 | R-11 | R-0 | R-5 | High Cooling |
| 14 | 15% | 0.90 | R-13 | R-11 | R-11 | R-0 | R-5 | High Cooling |
| 15 | 18% | 0.90 | R-26 | R-11 | R-11 | R-0 | R-5 | High Cooling |
| 16 | 18% | 0.75 | R-13 | R-11 | R-11 | R-0 | R-5 | High Cooling |
| 17 | 25% | 0.70 | R-26 | R-11 | R-13 | R-0 | R-6 | High Cooling |
| 18 | 25% | 0.65 | R-19 | R-13 | R-11 | R-0 | R-5 | High Cooling |
| 19 | 18% | any | R-19 | R-11 | R-11 | R-0 | R-4 | High Heat/Cool |
| 20 | 25% | 0.90 | R-26 | R-13 | R-11 | R-0 | R-5 | High Heat/Cool |

Zone 4 Single-Family Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|------------------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Basement Wall R-Value ⁶ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 8% | any | R-19 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 2 | 12% | 0.90 | R-30 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 3 | 12% | 0.75 | R-19 | R-11 | R-11 | R-4 | R-0 | R-5 | Normal |
| 4 | 12% | 0.65 | R-13 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 5 | 15% | 0.75 | R-26 | R-13 | R-11 | R-5 | R-0 | R-5 | Normal |
| 6 | 15% | 0.65 | R-19 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 7 | 18% | 0.65 | R-30 | R-13 | R-11 | R-5 | R-0 | R-5 | Normal |
| 8 | 18% | 0.55 | R-19 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 9 | 20% | 0.60 | R-30 | R-13 | R-11 | R-5 | R-0 | R-5 | Normal |
| 10 | 25% | 0.55 | R-26 | R-13 | R-19 | R-7 | R-2 | R-8 | Normal |
| 11 | 25% | 0.52 | R-30 | R-13 | R-13 | R-6 | R-0 | R-6 | Normal |
| 12 | 25% | 0.45 | R-26 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 13 | 12% | any | R-19 | R-11 | R-11 | R-4 | R-0 | R-4 | High Heating |
| 14 | 15% | 0.90 | R-19 | R-11 | R-11 | R-4 | R-0 | R-5 | High Heating |
| 15 | 18% | 0.90 | R-26 | R-13 | R-13 | R-5 | R-0 | R-6 | High Heating |
| 16 | 25% | 0.65 | R-26 | R-11 | R-13 | R-5 | R-0 | R-6 | High Heating |
| 17 | 12% | any | R-26 | R-11 | R-13 | R-5 | R-0 | R-6 | High Cooling |
| 18 | 15% | 0.90 | R-30 | R-13 | R-11 | R-5 | R-0 | R-5 | High Cooling |
| 19 | 15% | 0.75 | R-19 | R-11 | R-11 | R-4 | R-0 | R-5 | High Cooling |
| 20 | 18% | 0.70 | R-26 | R-11 | R-11 | R-4 | R-0 | R-5 | High Cooling |
| 21 | 25% | 0.55 | R-30 | R-11 | R-11 | R-5 | R-0 | R-5 | High Cooling |
| 22 | 15% | any | R-19 | R-11 | R-11 | R-4 | R-0 | R-5 | High Heat/Cool |
| 23 | 18% | 0.90 | R-19 | R-11 | R-11 | R-4 | R-0 | R-5 | High Heat/Cool |
| 24 | 25% | 0.75 | R-19 | R-13 | R-15 | R-5 | R-0 | R-7 | High Heat/Cool |

Zone 1 Multifamily Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 25% | any | R-13 | R-11 | R-11 | R-0 | R-0 | Normal |
| 2 | 30% | 0.90 | R-13 | R-11 | R-11 | R-0 | R-0 | Normal |
| 3 | 30% | any | R-11 | R-11 | R-11 | R-0 | R-0 | High Cooling |

Zone 2 Multifamily Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 25% | any | R-19 | R-11 | R-11 | R-0 | R-5 | Normal |
| 2 | 25% | 0.90 | R-13 | R-11 | R-11 | R-0 | R-3 | Normal |
| 3 | 30% | 0.90 | R-30 | R-11 | R-11 | R-0 | R-5 | Normal |
| 4 | 30% | 0.75 | R-19 | R-11 | R-11 | R-0 | R-3 | Normal |
| 5 | 30% | any | R-13 | R-11 | R-11 | R-0 | R-4 | High Cooling |

Zone 3 Multifamily Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 25% | any | R-19 | R-11 | R-11 | R-0 | R-5 | Normal |
| 2 | 25% | 0.90 | R-30 | R-11 | R-11 | R-0 | R-4 | Normal |
| 3 | 30% | 0.75 | R-30 | R-11 | R-11 | R-0 | R-4 | Normal |
| 4 | 30% | 0.70 | R-19 | R-11 | R-11 | R-0 | R-4 | Normal |
| 5 | 30% | 0.65 | R-13 | R-11 | R-11 | R-0 | R-4 | Normal |
| 6 | 25% | any | R-19 | R-11 | R-13 | R-0 | R-6 | High Cooling |
| 7 | 25% | any | R-30 | R-11 | R-11 | R-0 | R-4 | High Cooling |
| 8 | 30% | 0.90 | R-19 | R-13 | R-11 | R-0 | R-5 | High Cooling |
| 9 | 30% | 0.90 | R-30 | R-11 | R-11 | R-0 | R-4 | High Cooling |

Zone 4 Multifamily Prescriptive Packages - 1998/2000/2003 IECC

| Package | MAXIMUM | | MINIMUM | | | | | | Heating/Cooling Equipment Efficiency ⁹ |
|---------|-----------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|------------------------------------|-------------------------------------|---------------------------------------|---|
| | Glazing Area % ¹ | Glazing U-Factor ² | Ceiling R-Value ³ | Wall R-Value ⁴ | Floor R-Value ⁵ | Basement Wall R-Value ⁶ | Slab Perimeter R-Value ⁷ | Crawl Space Wall R-Value ⁸ | |
| 1 | 15% | any | R-13 | R-11 | R-13 | R-5 | R-2 | R-6 | Normal |
| 2 | 20% | 0.90 | R-19 | R-13 | R-11 | R-5 | R-0 | R-5 | Normal |
| 3 | 20% | 0.85 | R-19 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 4 | 20% | 0.75 | R-13 | R-11 | R-11 | R-4 | R-0 | R-3 | Normal |
| 5 | 25% | 0.85 | R-19 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 6 | 25% | 0.75 | R-19 | R-11 | R-13 | R-6 | R-2 | R-6 | Normal |
| 7 | 25% | 0.70 | R-19 | R-11 | R-11 | R-4 | R-0 | R-4 | Normal |
| 8 | 25% | 0.65 | R-13 | R-11 | R-11 | R-4 | R-0 | R-5 | Normal |
| 9 | 30% | 0.65 | R-26 | R-11 | R-11 | R-5 | R-0 | R-5 | Normal |
| 10 | 30% | 0.60 | R-19 | R-11 | R-11 | R-4 | R-0 | R-4 | Normal |
| 11 | 20% | any | R-13 | R-11 | R-11 | R-5 | R-0 | R-5 | High Heating |
| 12 | 25% | 0.90 | R-19 | R-11 | R-11 | R-4 | R-0 | R-4 | High Heating |
| 13 | 30% | 0.75 | R-19 | R-11 | R-11 | R-4 | R-0 | R-4 | High Heating |
| 14 | 20% | any | R-30 | R-11 | R-11 | R-5 | R-0 | R-5 | High Cooling |
| 15 | 20% | 0.90 | R-13 | R-11 | R-11 | R-4 | R-0 | R-4 | High Cooling |
| 16 | 30% | 0.75 | R-26 | R-11 | R-13 | R-5 | R-2 | R-6 | High Cooling |
| 17 | 30% | 0.70 | R-19 | R-11 | R-11 | R-5 | R-0 | R-5 | High Cooling |
| 18 | 30% | 0.65 | R-13 | R-11 | R-11 | R-5 | R-0 | R-5 | High Cooling |
| 19 | 25% | any | R-19 | R-11 | R-11 | R-5 | R-0 | R-6 | High Heat/Cool |
| 20 | 30% | 0.90 | R-19 | R-11 | R-11 | R-4 | R-0 | R-5 | High Heat/Cool |

FOOTNOTES:

- ¹ Glazing area is the ratio of the area of the glazing assemblies (including sliding-glass doors, skylights, and basement windows but excluding opaque doors) to the gross wall area, expressed as a percentage. Up to 1% of the total allowed glazing area may be excluded from the U-value requirement. For example, 3 ft² of decorative glass may be excluded from a building design with 300 ft² of glazing area.
- ² Glazing U-factors must be tested and documented by the manufacturer in accordance with the National Fenestration Rating Council (NFRC) test procedure or taken from the glazing U-factor table in Appendix B. Center-of-glass U-factors cannot be used.
- ³ The ceiling R-values do not assume a raised or oversized truss construction. If the insulation achieves the full insulation thickness over the plate lines of exterior walls, R-30 insulation may be substituted for R-38 insulation and R-38 insulation may be substituted for R-49 insulation. Ceiling R-values represent the sum of cavity insulation plus insulating sheathing (if used). For ventilated ceilings, insulating sheathing must be placed between the conditioned space and the ventilated portion of the roof.
- ⁴ Wall R-values represent the sum of the wall cavity insulation plus insulating sheathing (if used). Do not include exterior siding, structural sheathing, and interior drywall. For example, an R-19 requirement could be met *EITHER* by R-19 cavity insulation *OR* R-13 cavity insulation plus R-6 insulating sheathing. Wall requirements apply to wood-frame wall constructions. Metal-frame wall or mass (concrete, masonry, log) wall equivalent R-values can be found in the Prescriptive Packages User's Guide.
- ⁵ The floor requirements apply to floors over unconditioned spaces (such as unconditioned crawlspaces, basements, or garages). Floors over outside air must meet the ceiling requirements.
- ⁶ Walls of conditioned basements below uninsulated floors must be insulated from the top of the basement wall to a depth of 10 ft below ground level or to the level of the basement floor, whichever is less. The entire opaque portion of any individual basement wall with an average depth less than 50% below grade must meet the same R-value requirement as above-grade walls. Windows and sliding glass doors of conditioned basements must be included with the other glazing. Basement doors must meet the door U-factor requirement described in Note b.
- ⁷ The R-value requirements are for unheated slabs. Add an additional R-2 for heated slabs, except in Zone 1 which does not require slab insulation. For packages with a slab insulation requirement, the insulation must extend a total linear distance of at least 24 in. in Zones 2-12 and 48 in. in Zones 13-17. The insulation must extend 1) down from the top of the slab, or 2) down from the top of the slab to the bottom of the slab and then horizontally underneath the slab, or 3) down from the top of the slab to the bottom of the slab and then horizontally away from the slab, with pavement or at least 10 in. of soil covering the horizontal insulation.
- ⁸ The crawl space wall R-value requirements are for walls of unventilated crawl spaces. The crawl space wall insulation must extend from the top of the wall (including the sill plate) to at least 12 in. below the outside finished grade. If the distance from the outside finished grade to the top of the footing is less than 12 in., the insulation must extend a total vertical plus horizontal distance of 24 in. from the outside finished grade.
- ⁹ *High Heating* means a furnace AFUE of 90% or more, or a heat pump HSPF of 7.8 or more. *High Cooling* means a SEER of 12 or more. *High Heat/Cool* means both heating and cooling equipment must meet these minimum efficiencies. If you plan to install more than one piece of heating equipment or more than one piece of cooling equipment, the equipment with the lowest efficiency must meet or exceed the efficiency required by the selected package. The following California counties do not qualify for the cooling equipment credit: Alameda, Contra Costa, Los Angeles, Marin, Monterey, Napa, Orange, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, Sonoma, and Ventura.

NOTES:

- a) Glazing areas and U-factors are maximum acceptable levels. Insulation R-values are minimum acceptable levels. R-value requirements are for insulation only and do not include structural components.
- b) Opaque doors in the building envelope must have a U-factor no greater than 0.35. Door U-values must be tested and documented by the manufacturer in accordance with the NFRC test procedure or taken from the door U-factor table in Appendix B. If a door contains glass and an aggregate U-factor rating for that door is not available, include the glass area of the door with your windows and use the opaque door U-factor to determine compliance of the door. One door may be excluded from this requirement (i.e., may have a U-factor greater than 0.35).
- c) If a ceiling, wall, floor, basement wall, slab-edge, or crawl space wall component includes two or more areas with different insulation levels, the component complies if the area-weighted average R-value is greater than or equal to the R-value requirement for that component. Glazing or door components comply if the area-weighted average U-factor of all windows or doors is less than or equal to the U-factor requirement (0.35 for doors). Use the *R-Value/U-factor Weighted Average Worksheet* for these computations.
- d) Hyphens (--) in any foundation column indicate that the package which contains the hyphens cannot be used with the indicated foundation type.
- e) In Zones 1-7, the area-weighted average SHGC value of all glazing cannot exceed 0.4. SHGC values must be determined in accordance with the NFRC test procedure or taken from the default SHGC table in Appendix B.