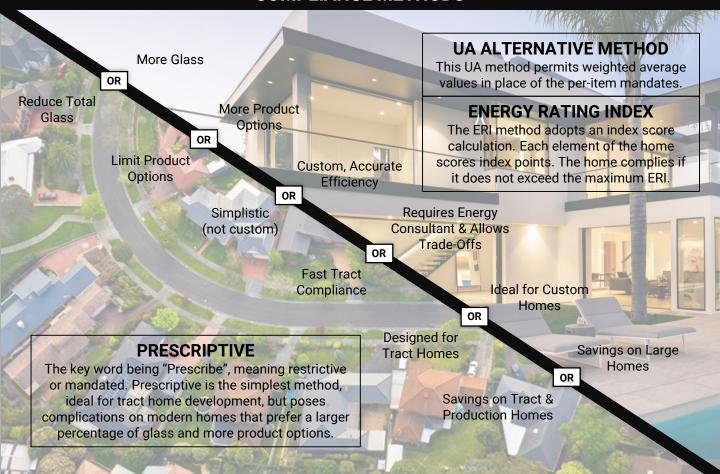


COMPLIANCE METHODS



PERFORMANCE-BASED COMPLIANCE

IECC offers <u>practical</u> approaches to energy compliance and common sense efficiency. The UA weighted value alternative or Energy Rating Index can allow a great deal of design options by allowing architects to offset performance with other elements of the home's energy package.

Discuss this with your IECC energy consultant to determine which route allows the most design flexibility.

ENERGY RATINGS NFRC vs. SPA

NFRC values often represent an inaccurate and tiny specimen size when modeling energy ratings. For example, the typical NFRC test for a sliding door is a 7' x 7' opening. While this fast-track simplicity is ideal for tract home development, it creates a conundrum for custom homes. Fleetwood is often selected for large sliding glass walls where the center of glass outperforms the value represented by the tiny specimen.

Example

With high-performance dual-pane glass, the NFRC U-factor for Fleetwood's Series 3070-T sliding door is 0.29. If we take the same software used by NFRC and model a 35' x 10' wall of sliding glass, the same product achieves a 0.24 value. Yet, the door is labeled with the values of the tract home model.

In an effort to provide ACCURATE energy values, Fleetwood will provide a manufacturer Simulated Performance Alternative (SPA). The SPA value utilizes the same software used by NFRC to calculate the custom energy ratings for the actual product. The building department and inspectors in many municipalities are open to accepting the more accurate SPA numbers case-by-case.

ENERGY CONSULTANTS

The alternative compliance methods and SPA values are best handled by an energy professional with specialization in modern homes. Fleetwood has vetted and recommends the following:

Desert Skies Code Compliance

Gilbert, AZ info@buildcompliant.com

FREE ENERGY REPORTS

Fleetwood will assist with energy calculations in the early stages of project development. Provide your window and door schedule and IECC compliance standards to sales@fleetwoodusa.com and we will provide an Energy Report with certified NFRC values, SPA values and area-weighted averages.

